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# **Periodic Monitoring Report for Mortandad and Sandia Watersheds, July 1–July 15, 2010**




Prepared by the Environmental Programs Directorate

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# Periodic Monitoring Report for Mortandad and Sandia Watersheds July 1–July 15, 2010

February 2011

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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 2010 Interim Facility-Wide Groundwater Monitoring Plan, prepared in accordance with the Compliance Order on Consent.

The PMEs documented in this report occurred from July 1 to July 15, 2010, and included the monitoring of base-flow stations and groundwater wells and well ports. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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, inorganic chemicals, 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.

Two results from surface-water samples and 30 results from groundwater samples collected from Mortandad Canyon during this PME exceeded screening levels.

No results from surface-water samples and one result from groundwater samples collected from Sandia Canyon during this PME exceeded screening levels.



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## Acronyms and Abbreviations

AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
cfs	cubic feet per second
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
DW	drinking water
EPA	Environmental Protection Agency (U.S.)
F	filtered
GW	groundwater
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
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RLWTF	Radioactive Liquid Waste Treatment Facility
RPF	Records Processing Facility
SOP	standard operating procedure
STD	standard
SU	standard unit
SWMU	solid waste management unit
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 2010, 109830), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring events (PMEs) occurred from July 1 to July 15, 2010, and included sampling at base-flow stations and groundwater wells and well ports. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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
- screening analysis results (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 Canyon that is 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 (SWMUs) and areas of concern (AOCs) 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 2010 IFGMP (LANL 2010, 109830).

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, and base flow 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 2010 IFGMP (LANL 2010, 109830).

### **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 included with this document). 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 fieldwork 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 2010 IFGMP (LANL 2010, 109830). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737) 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 July 2010 sampling events. 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 unusable but are still reported.
  - ❖ Analytical laboratory QC results, including matrix spike and matrix spike duplicates, are not included in the data set.
  - ❖ Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, and results from different analytical methods are reported.
- Radionuclides
  - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
  - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
  - ❖ Low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty are considered to be detections.
  - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
  - ❖ All results, excluding nondetections, are reported.

The results of data screening for this PMR appear in tables D-1 through D-22 in Appendix D. These tables 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. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

Data for PMRs are evaluated using the following screening process.

- Surface-water sampling results were compared with all surface-water standards without consideration of the designated use for the particular reach.
- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in Section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to the lesser of the EPA MCL or the NMWQCC groundwater standard for an analyte.

- 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. EPA MCLs are applied to both filtered and unfiltered sample results.
- 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 that have no other regulatory standard and for which toxicological information is published. These screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the EPA screening levels are for  $10^{-6}$  excess cancer risk. The Consent Order specifies screening with these values at a  $10^{-5}$  (rather than  $10^{-6}$ ) excess cancer risk. Therefore, the screening levels in the tables are 10 times the EPA  $10^{-6}$  screening values.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

Tables 4.2-2 and 4.2-3 provide surface-water and groundwater analytical results (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.

Graphs in Appendix E display concentration histories of analytes for locations where the analyte was above its screening level at least once during the three most recent PMEs. The concentration of the analyte is 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.

Figures 4.2-1 through 4.2-7 show concentrations at all locations from the current PME for analytes that exceeded their screening level at more than one sampling location. For example, filtered chromium was above the NMWQCC groundwater screening level at intermediate wells MCOI-6 and SCI-2 and regional wells R-28, R-42, and R-50, 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**

No results from previous PME surface-water samples are reported in this PMR.

The filtered aluminum concentration of 13,400  $\mu\text{g/L}$  at M-1W was above the New Mexico Aquatic Life Acute Standard screening level of 750  $\mu\text{g/L}$ , which applies in this ephemeral reach. The result from this PME is the highest measured. Earlier results since 2005 range from 79  $\mu\text{g/L}$  to 12,500  $\mu\text{g/L}$ . Turbidity for the recent sample was 99.6 nephelometric turbidity units (NTU). Previous sample turbidities range from 2.78 NTU to 273 NTU.

The filtered copper concentration of 15.6  $\mu\text{g/L}$  at M-1W was above the New Mexico Aquatic Life Acute Standard screening level (at 100 mg/L hardness) of 13.4  $\mu\text{g/L}$ , which applies in this ephemeral reach. The result from this PME is the highest measured. Earlier detected results since 2005 range from 3.2  $\mu\text{g/L}$  to 13.3  $\mu\text{g/L}$ .

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

Results from previous PME surface-water samples reported in this PMR and from surface-water samples for the current monitoring event were below screening levels.

#### 4.2.3 Groundwater: Mortandad Watershed

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

The unfiltered strontium-90 activities in samples from three alluvial wells were above the 8 pCi/L EPA MCL screening level. The strontium-90 activities at these wells have ranged between 16.7 pCi/L and 81.6 pCi/L since 2000. The unfiltered gross beta activities at these wells were above the 50 pCi/L EPA drinking-water system screening level. The gross beta activities at these wells have ranged between 77 pCi/L and 262 pCi/L since 2000.

The filtered chloride concentrations at alluvial wells MCO-0.6 and MCO-2 were above the 250 mg/L NMWQCC groundwater standard screening level. The total dissolved solids (TDS) concentration at MCO-0.6 was above the 1000 mg/L NMWQCC groundwater standard screening level. Previous chloride results since 2005 at MCO-0.6 range from 155 mg/L to 759 mg/L with most above the standard. The TDS results range from 590 mg/L to 1650 mg/L. At MCO-2, chloride results, collected mainly since 2006, range from 4.6 mg/L to 3300 mg/L.

The perchlorate concentrations at six alluvial wells ranged from 7.31 µg/L to 23.3 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 filtered iron and manganese results at alluvial wells MCO-0.6 and MCO-2 were above the respective NMWQCC groundwater standard screening levels of 1000 µg/L and 200 µg/L. Most of the prior results at these locations have been above the standards. The filtered iron result of 49,500 µg/L at MCO-0.6 is the highest measured at the location; earlier values since 2005 range from 364 µg/L to 26,500 µg/L. The filtered manganese result of 7800 µg/L was also the highest measured at MCO-0.6; earlier values since 2005 range from 1460 µg/L to 5870 µg/L. The turbidity of 1000 NTU measured with this sample is the instrument maximum; earlier results range from 8.95 NTU to 77.2 NTU.

The total chromium concentration of 662 µg/L at MCO-0.6 was above the 100 µg/L EPA MCL screening level. Previous results range from nondetect (<3.3 µg/L) to 112 µg/L. Filtered chromium measurements at this location range from nondetect (<1.8 µg/L) to 17.7 µg/L, with the measurement from this PME the highest.

The nitrate (plus nitrite as nitrogen) concentration of 9.7 mg/L in intermediate groundwater well MCOI-6 was below the 10 mg/L NMWQCC groundwater standard screening level. Earlier concentrations measured at MCOI-6 since 2005 have decreased from 20.4 mg/L to 10.9 mg/L. The values measured in the latest PME are the lowest.

Perchlorate concentrations at three intermediate groundwater wells ranged from 58.5 µg/L to 97.6 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 between 134 µg/L and 166 µg/L to the values in recent PMEs near 52 µg/L. MCOI-5 concentrations have shown some variability since first sampled in 2005 but are trending lower since 2006, from 130 µg/L to values since 2008 of about 70 µg/L to 90 µg/L. At MCOI-6 the results have generally fluctuated since 2005 between about 160 µg/L and 246 µg/L; the results in 2009 and 2010 range from 78 µg/L to 104 µg/L.

In MCOI-6 the filtered chromium concentration was 55.6 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Measurements since 2005 have ranged from 29.4 µg/L to 59 µg/L. At first, concentrations declined from 2005 levels of 59 µg/L to 29.4 µg/L in 2007. Values have risen since and have been near or above the standard since late 2009.



The methylene chloride concentration of 6.97 µg/L in an unfiltered sample at MCOI-5 was above the EPA MCL screening level of 5 µg/L. The result is an estimated concentration, as it is close to the MDL. This compound was not detected in 19 other analyses on samples collected from this well since 2005.

The perchlorate concentration in regional well R-15 was 7.29 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 range from 4.6 µg/L to 7.4 µg/L, though many are estimated.

In regional well R-28, the filtered chromium concentration was 558 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. A reanalysis of the sample gave 472 µg/L. The original value is the highest result from the well; other 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; a similar result was measured in February 2010. A reanalysis of the sample gave 1060 µg/L. The well was first sampled in October 2008, and values range from 744 µg/L to 1240 µg/L. The reanalyses will be reported in the next PMR for the Mortandad Watershed.

The filtered chromium concentration from the 1077-ft screen at regional aquifer well R-50 was 55.2 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Values for two earlier sampling events range from 49.8 µg/L to 69.7 µg/L.

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

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

The filtered chromium result of 545 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 range from 471 µg/L to 658 µg/L.

#### **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**

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

#### **5.2 Analytical Results**

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

No results from previous PME surface-water samples are reported in this PMR.

Except for the highest filtered copper and aluminum results measured at M-1W, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in Mortandad Watershed.

Two results from surface-water samples collected during this PME from Mortandad Canyon exceeded screening levels.

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

Results from previous PME surface-water samples reported in this PMR and from surface-water samples for the current monitoring event were below screening levels.

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

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

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

Except for the first detection of methylene chloride at MCOI-5, the highest-measured filtered iron and manganese and total chromium at MCO-0.6, and the highest filtered chromium at R-28, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in Mortandad Watershed.

Thirty 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.

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

One result from groundwater samples collected during this PME from Sandia Canyon 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 CORRECTIONS TO PREVIOUS PERIODIC MONITORING REPORTS FOR MORTANDAD AND SANDIA WATERSHEDS**

NMED provided comments on previous periodic monitoring reports for Mortandad and Sandia Watersheds and indicated that explanations must be submitted with the next periodic monitoring report submittal. The responses to the NMED comments are provided below.

### **6.1 Periodic Monitoring Report for Mortandad and Sandia Watersheds, May 3–May 19, 2010**

Concerning the Periodic Monitoring Report for Mortandad and Sandia Watersheds, May 3–May 19, 2010 (LANL 2010, 111346), NMED noted a substantially elevated value for filtered specific conductance (19,600  $\mu\text{S}/\text{cm}$ ), sampled on May 3, 2010, compared with historical values for specific conductance (270–333  $\mu\text{S}/\text{cm}$ ) at location TS-1W. NMED asked that the Laboratory evaluate the reported result and provide an explanation for the elevated value in the next PMR.

The field-measured specific conductance for the TS-1W sample collected May 3, 2010, was 198  $\mu\text{S}/\text{cm}$ , which is consistent with earlier measurements. The analytical laboratory reported a value of 19,600  $\mu\text{S}/\text{cm}$  for this sample. The analytical laboratory reported a pH of 1.46 standard units (SU) for the sample. The field-measured pH was 6.71 SU, similar to earlier measurements.

The analytical laboratory pH and specific conductance were determined from a preserved sample bottle. Such a low pH indicates a very high ionic strength, which would produce a high specific conductance. Measurement of pH and specific conductance is usually made from a nonpreserved sample bottle. As a result, the analytical laboratory-measured specific conductance will be qualified as rejected.

The field-measured specific conductance result for TS-1W was presented in the May 3–May 19 PMR (LANL 2010, 111346) in Appendix A (beginning on p. A-28). The analytical laboratory result is presented in Appendix C (p. C-156).

## 7.0 REFERENCES

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

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

LANL (Los Alamos National Laboratory), September 2008. "Periodic Monitoring Report for White Rock Watershed, April 23–April 30, 2008," Los Alamos National Laboratory document LA-UR-08-5847, Los Alamos, New Mexico. (LANL 2008, 103737)

LANL (Los Alamos National Laboratory), June 2010. "2010 Interim Facility-Wide Groundwater Monitoring Plan," Los Alamos National Laboratory document LA-UR-10-1777, Los Alamos, New Mexico. (LANL 2010, 109830)

LANL (Los Alamos National Laboratory), November 2010. "Periodic Monitoring Report for Mortandad and Sandia Watersheds, May 3–May 19, 2010," Los Alamos National Laboratory document LA-UR-10-6041, Los Alamos, New Mexico. (LANL 2010, 111346)



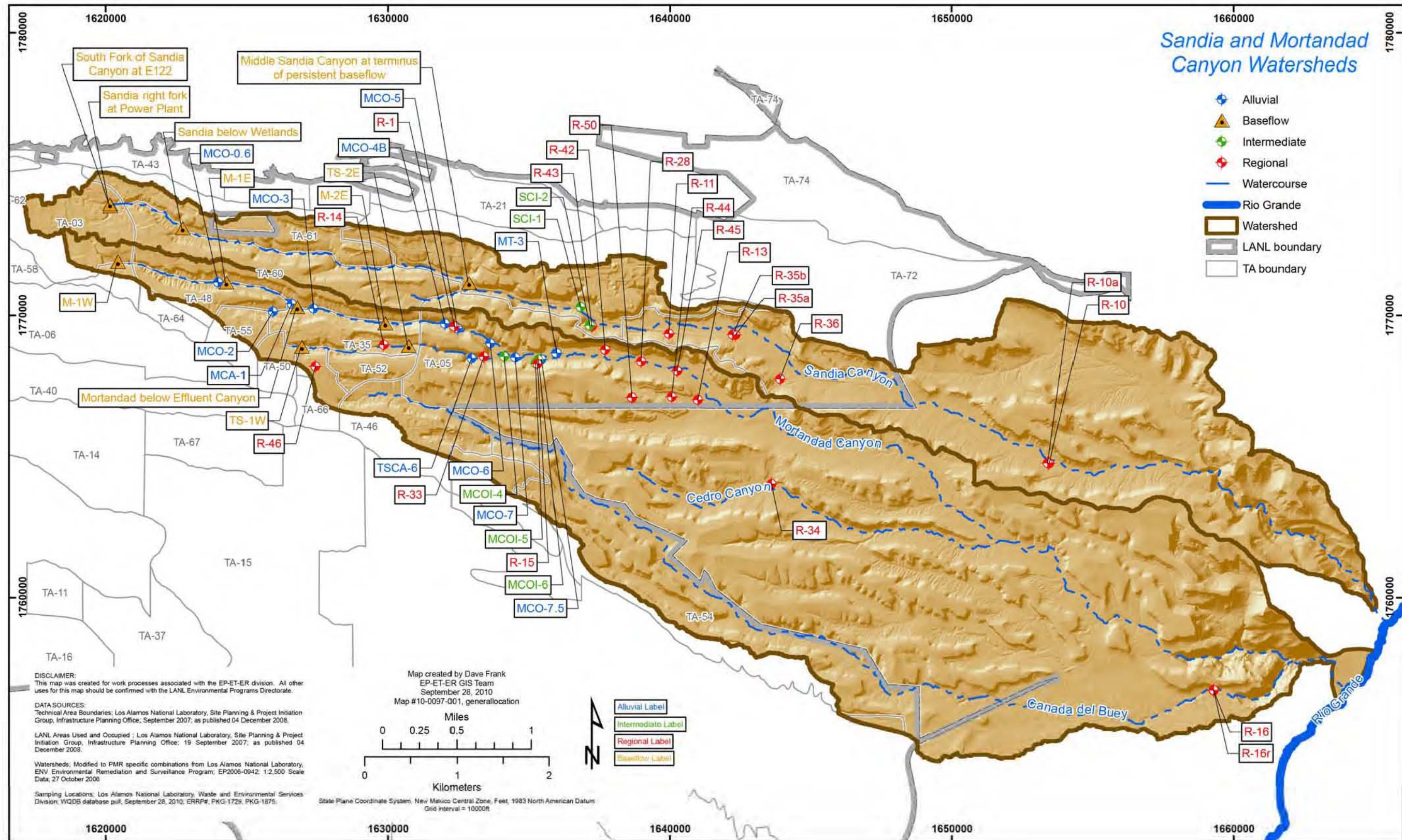


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Tables 3.4-1 and 3.4-2).

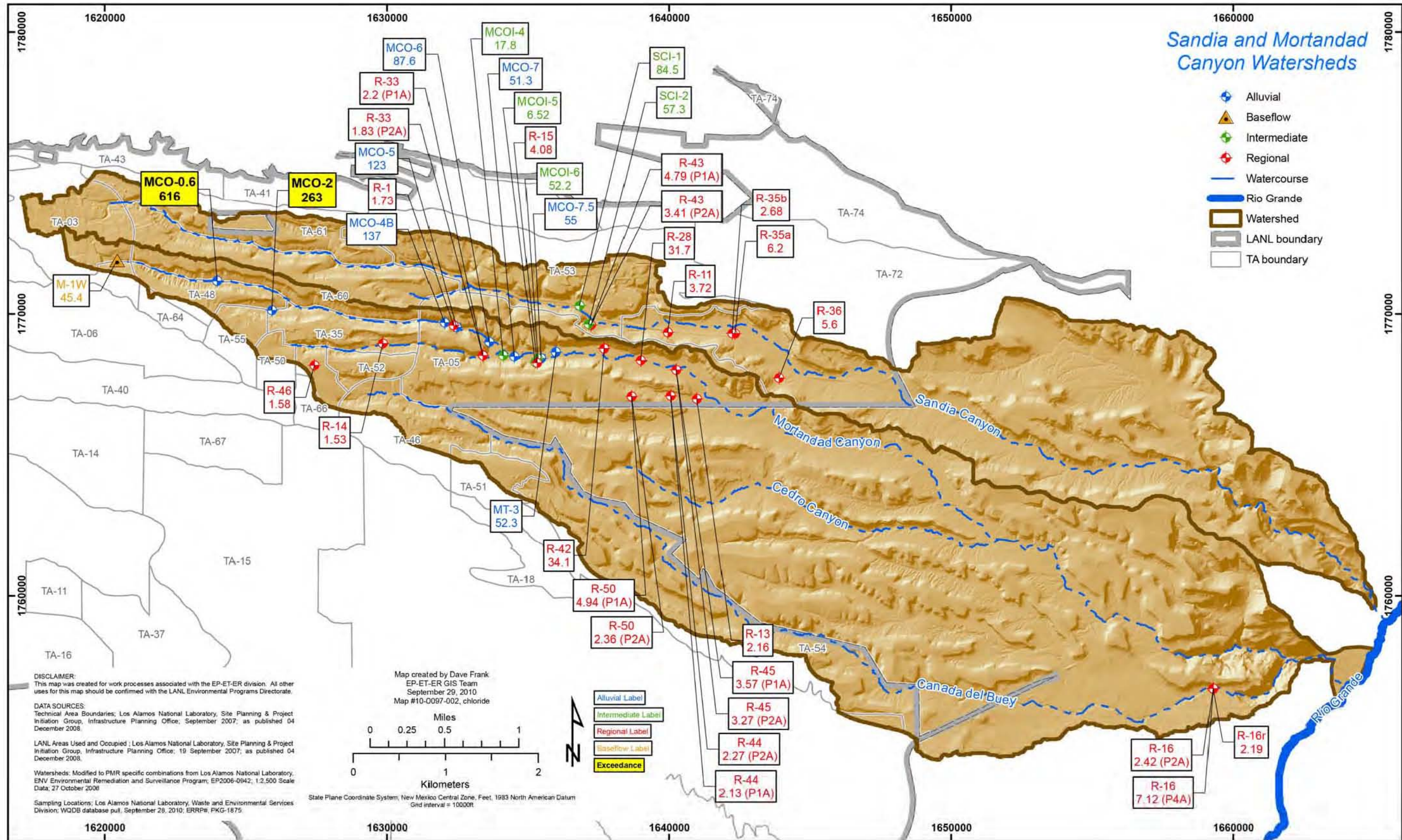


Figure 4.2-1 Watersheds filtered chloride concentrations in mg/L. The NMWQCC groundwater standard screening level is 250 mg/L.

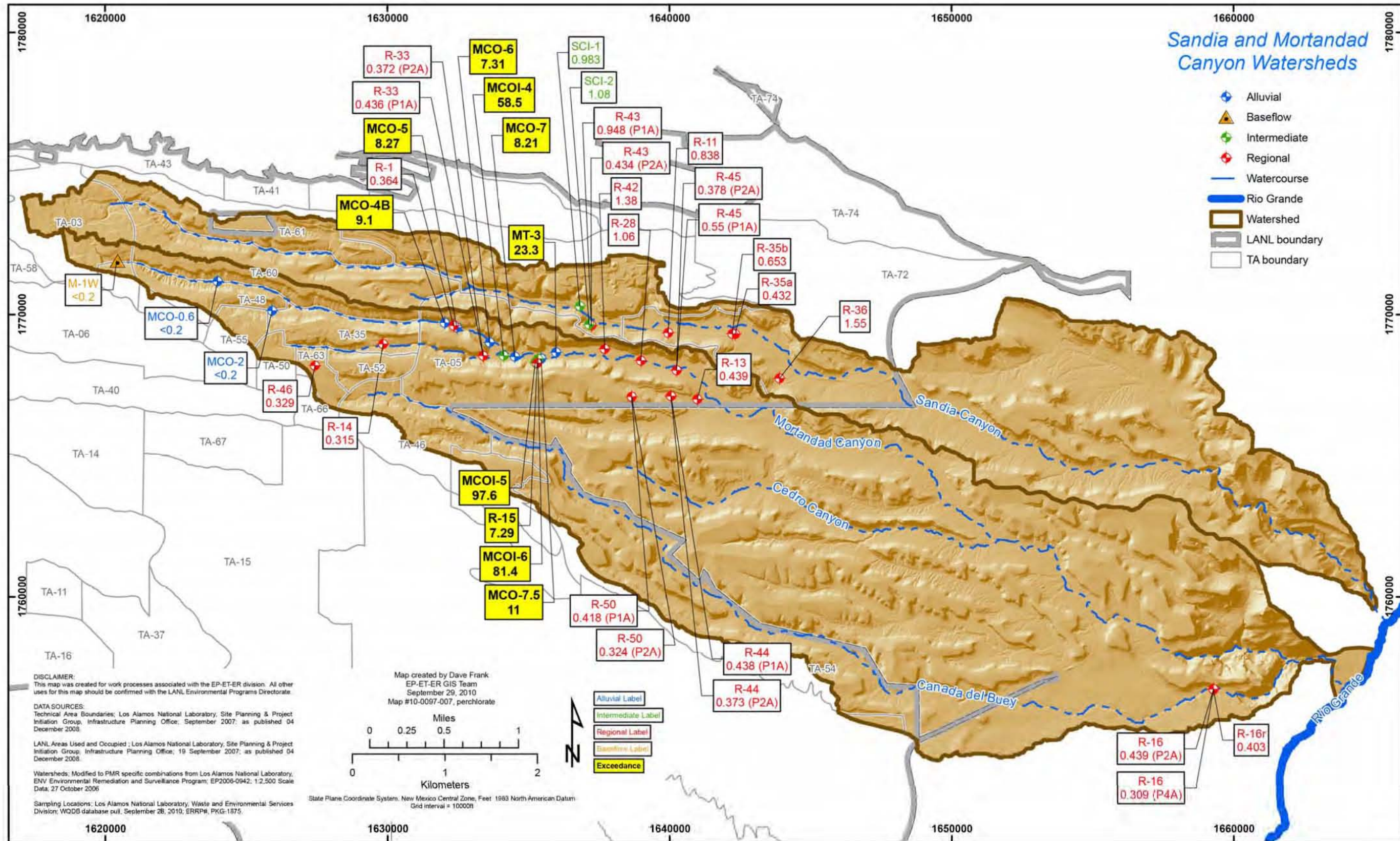


Figure 4.2-2 Watersheds filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

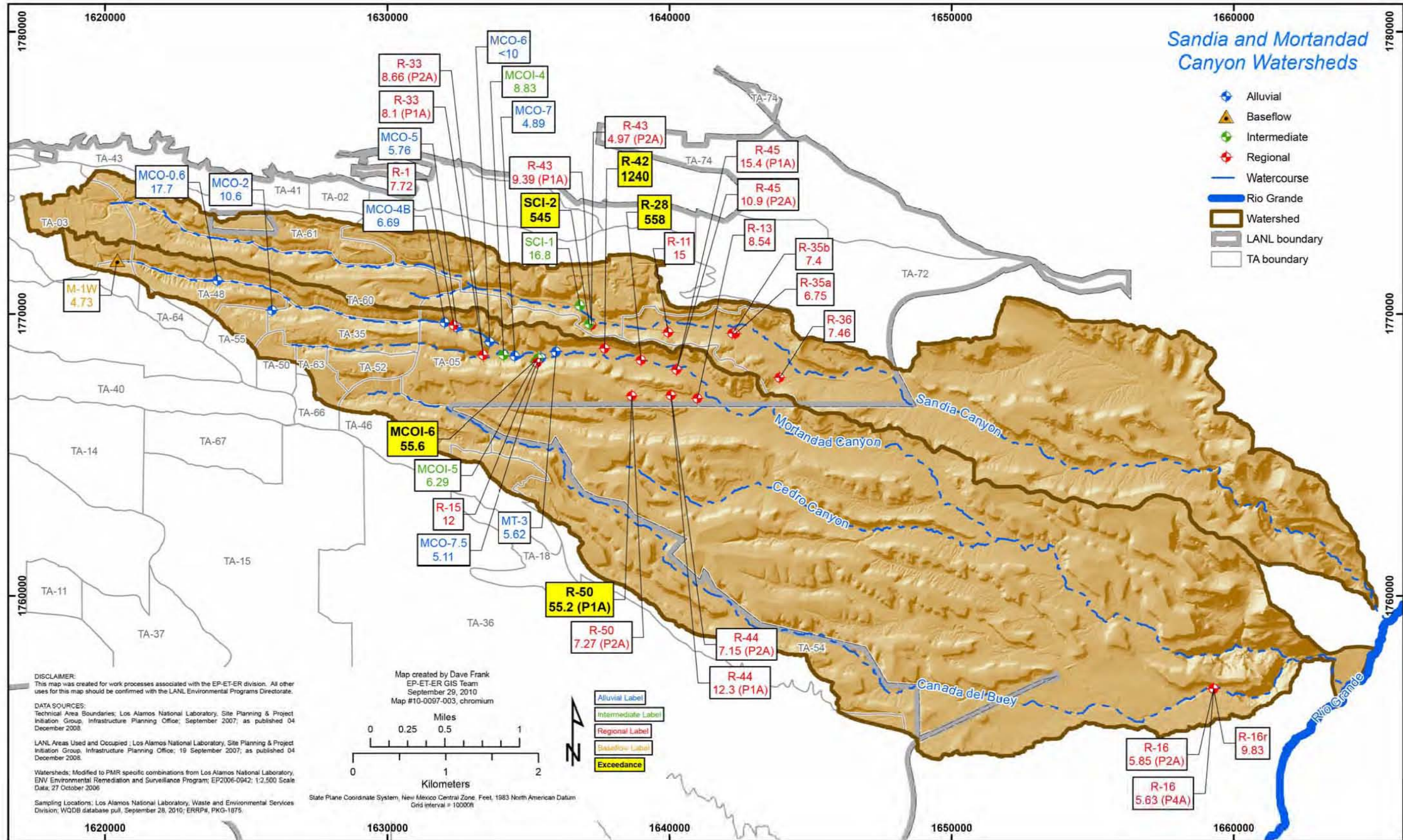


Figure 4.2-3 Watersheds filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.



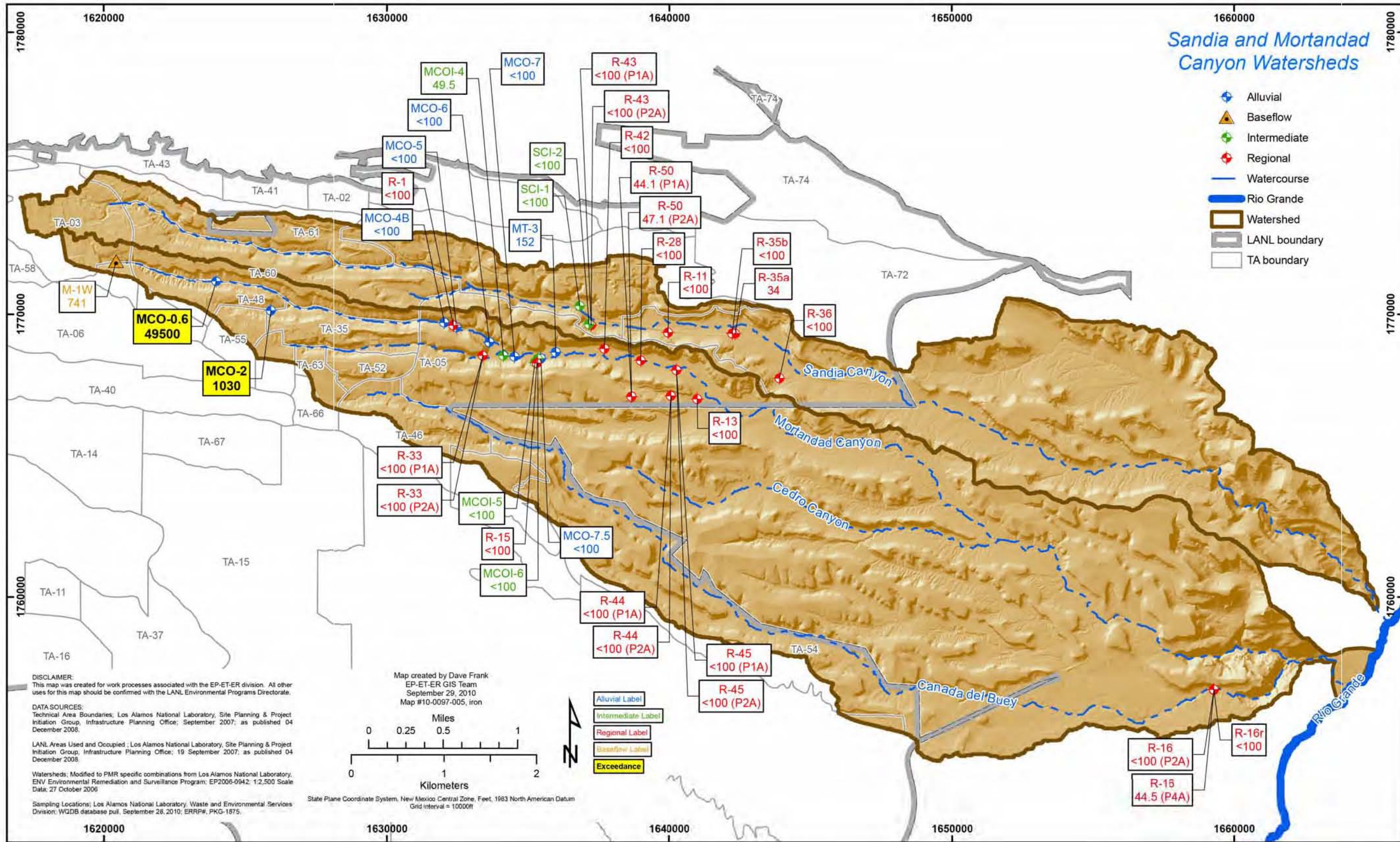


Figure 4.2-4 Watersheds filtered iron concentrations in µg/L. The NMWQCC groundwater standard screening level is 1000 µg/L.

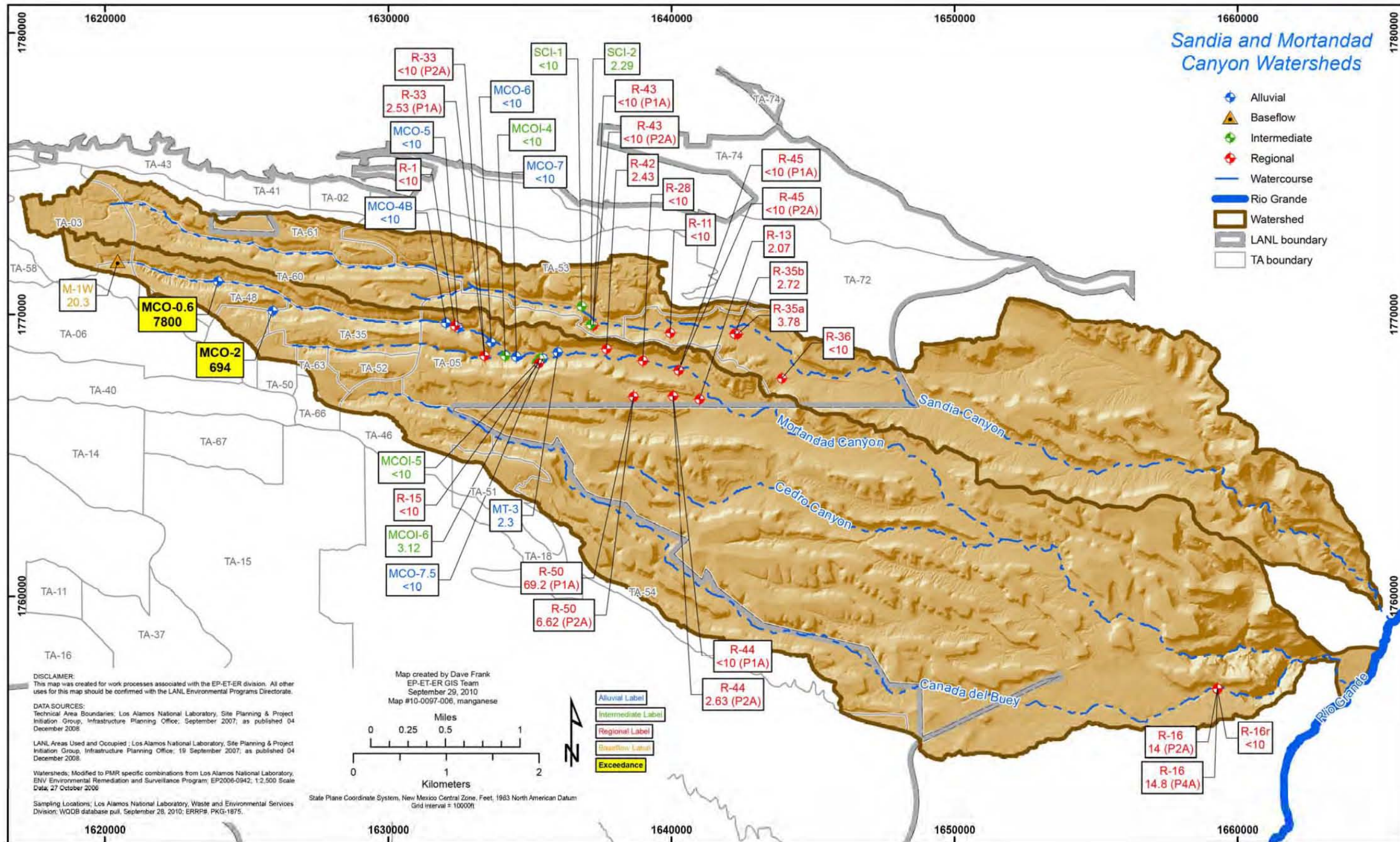


Figure 4.2-5 Watersheds filtered manganese concentrations in µg/L. The NMWQCC groundwater standard screening level is 200 µg/L.

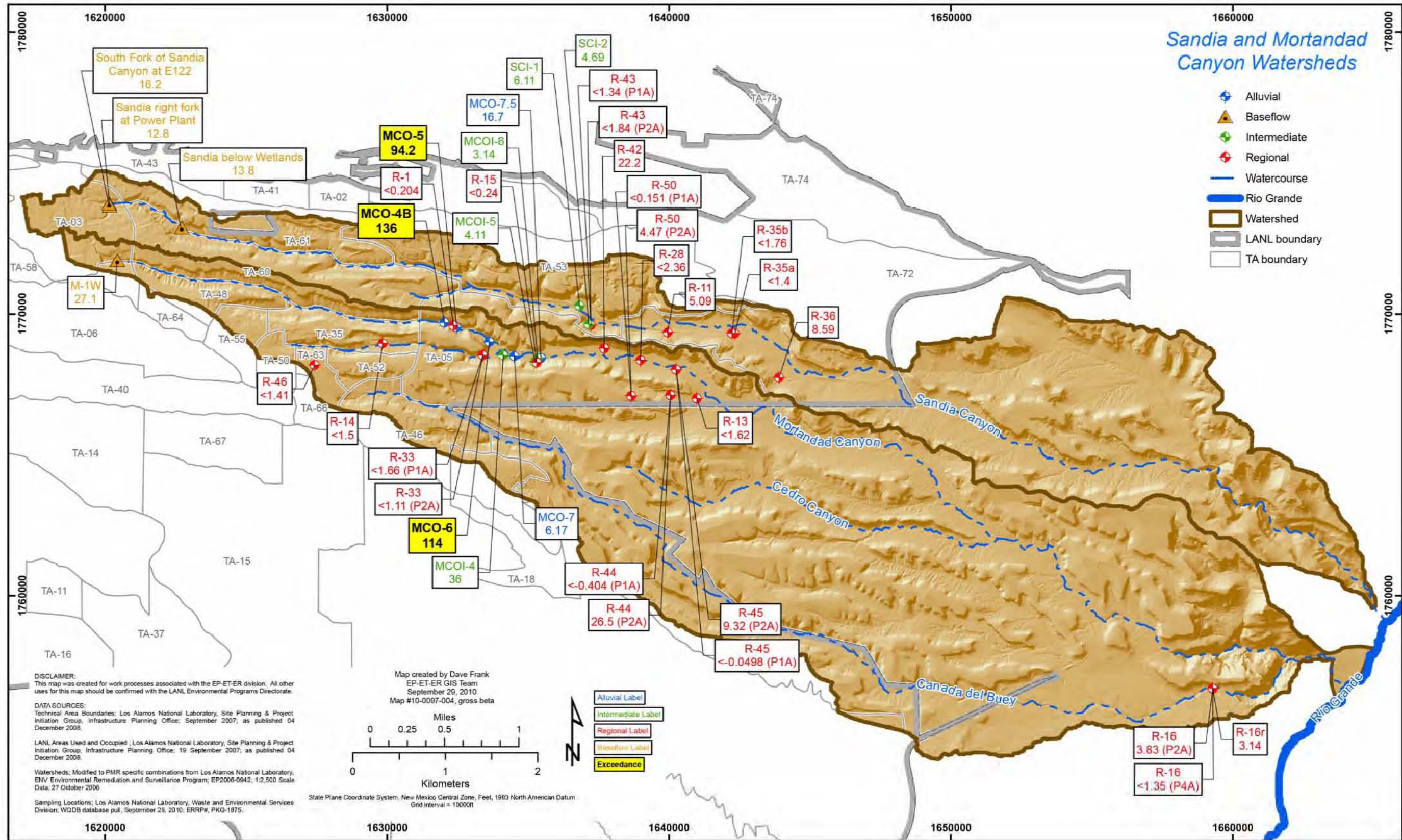


Figure 4.2-6 Watersheds unfiltered gross-beta activity in pCi/L. The EPA drinking water screening level is 50 pCi/L.

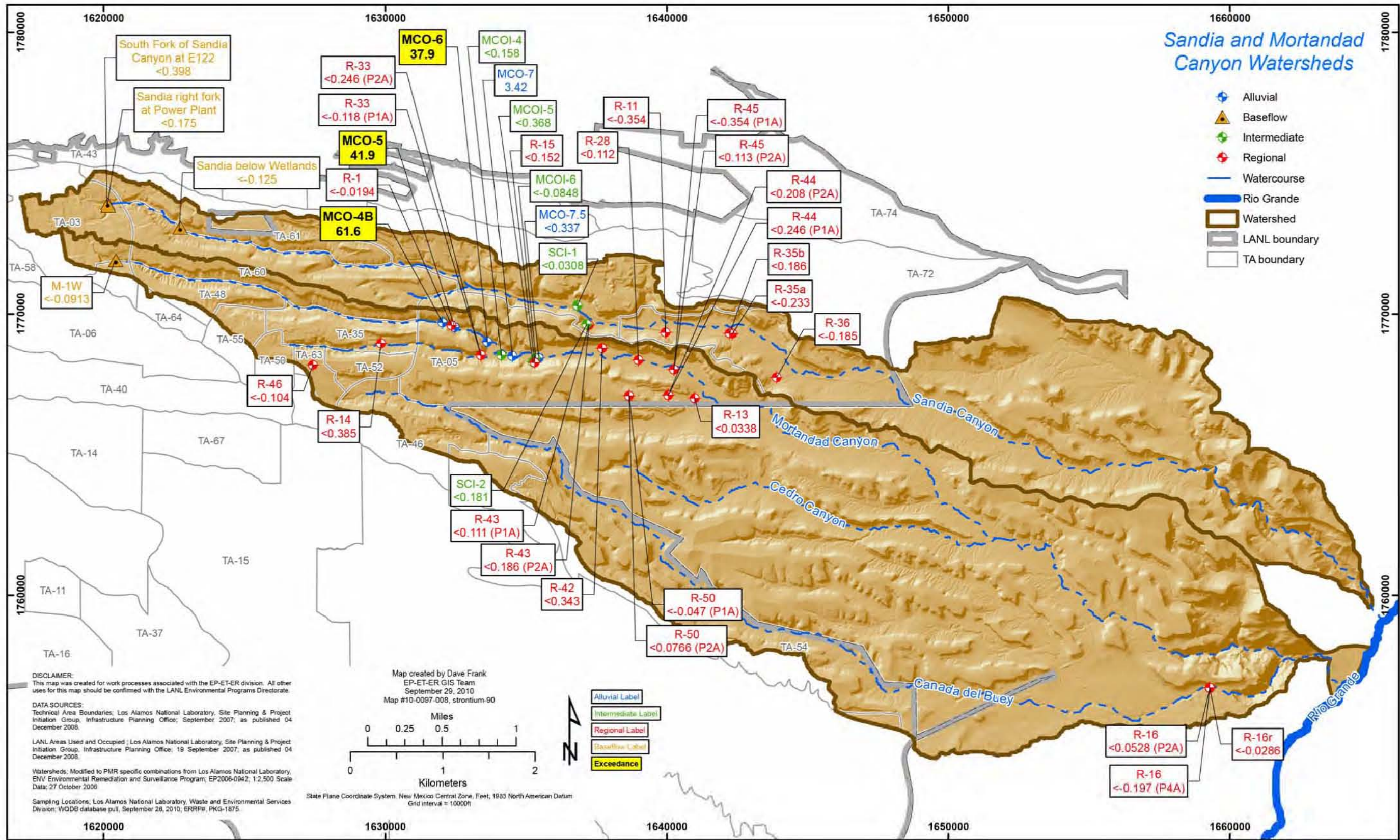


Figure 4.2-7 Watersheds unfiltered strontium-90 activity in pCi/L. The EPA MCL screening level is 8 pCi/L.

**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> )
<b>Base Flow</b>										
M-1E	07/08/10	n/a <sup>b</sup>	na	na	na	na	na	na	na	Dry <sup>c</sup>
M-1W	07/09/10	na	na	na	na	na	na	na	na	0.0047
M-2E	07/11/10	na	na	na	na	na	na	na	na	Dry
Mortandad below Effluent Canyon	07/11/10	na	na	na	na	na	na	na	na	Dry
TS-1W	07/11/10	na	na	na	na	na	na	na	na	Dry
TS-2E	07/11/10	na	na	na	na	na	na	na	na	Dry
<b>Alluvial</b>										
MCA-1	07/02/10	Single	5601	2.4	3	2.4	5.4	na	na	na
MCO-0.6	07/02/10	Single	5641	1.05	2	1.05	3.05	0.2	0.3	0.00022
MCO-2	07/01/10	Single	4551	2	7	2	9	0.71	0.8	0.00018
MCO-3	07/01/10	Single	4561	2	10	2	12	n/a	n/a	n/a
MCO-4B	07/06/10	Single	4581	8.9	20	8.9	28.9	2.1	2.3	0.00027
MCO-5	07/06/10	Single	4591	21	25	21	46	9.5	9.7	0.00054
MCO-6	07/07/10	Single	4601	27	20	27	47	7.4	7.6	0.00042
MCO-7	07/07/10	Single	4631	39	30	39	69	4.5	7.8	0.00045
MCO-7.5	07/08/10	Single	4661	35	25	35	60	8.3	15.2	0.00045
MT-3	07/09/10	Single	5261	44	20	44	64	2.9	1.6	0.000089
TSCA-6	07/07/10	Single	6091	16.2	4.7	16.2	20.9	n/a	n/a	n/a
<b>Intermediate</b>										
MCOI-4	07/07/10	Single	5981	499	23.1	498.9	522	3.8	0	0.00067
MCOI-5	07/07/10	Single	5721	689	9.96	689.04	699	18.6	58.1	0.0013
MCOI-6	07/06/10	Single	5731	686	22.3	686	708.3	49.9	149.6	0.0031

**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> )
<b>Regional</b>										
R-1	07/13/10	Single	1701	1031.1	26.3	1031.12	1057.42	63.4	190	0.0072
R-13	07/13/10	Single	1741	958.3	60.39	958.33	1018.72	157.6	474	0.0114
R-14	07/01/10	Single	8571	1200.6	32.6	1200.6	1233.2	109	327	0.0145
R-15	07/14/10	Single	1751	958.6	61.7	958.6	1020.3	46.8	185.1	0.0200
R-16	07/12/10	P2A	8861	863.4	7.5	863.4	870.9	218.6	656	0.0105
R-16	07/12/10	P4A	8871	1237	7.6	1237	1244.6	44.4	133	0.0067
R-16r	07/15/10	Single	6341	600	17.6	600	617.6	55.3	165	0.0111
R-28	07/14/10	Single	1781	934.3	23.8	934.3	958.1	72.8	259.4	0.0089
R-33	07/09/10	P1A	5491	995.5	23	995.5	1018.5	74.5	229.7	0.0067
R-33	07/09/10	P2A	5501	1112.4	9.9	1112.4	1122.3	39.4	131.3	0.0060
R-34	07/09/10	Single	1791	895.15	22.9	883.7	906.6	102.2	306	0.0062
R-42	07/13/10	Single	8591	931.8	21.1	931.8	952.9	53.9	162	0.0040
R-44	07/14/10	P1A	8671	895	10	895	905	57.7	173	0.0074
R-44	07/14/10	P2A	8681	985.3	9.9	985.3	995.2	76.4	230	0.0074
R-45	07/02/10	P1A	8721	880	10	880	890	53.5	275	0.0072
R-45	07/02/10	P2A	8731	974.9	20	974.9	994.9	91.2	275.4	0.0072
R-46	07/01/10	Single	8741	1340	20.7	1340	1360.7	58	175	0.0098
R-50	07/02/10	P1A	9021	1077	10	1077	1087	51.3	220	0.0053
R-50	07/02/10	P2A	9011	1185	20.6	1185	1205.6	96.5	290	0.0033

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

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

<sup>c</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> )
<b>Base Flow</b>										
Middle Sandia Canyon at terminus of persistent base flow	07/12/10	n/a <sup>b</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dry <sup>c</sup>
Sandia below Wetlands	07/12/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.601
Sandia right fork at Power Plant	07/12/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.379
South Fork of Sandia Canyon at E122	07/12/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.129
<b>Intermediate</b>										
SCI-1	07/12/10	Single	8211	358.4	19.5	358.4	377.9	7.5	27	0.0007
SCI-2	07/15/10	Single	8601	548	20	548	568	6.7	20	0.001
<b>Regional</b>										
R-10	07/08/10	P1A	6381	874	23	874	897	219.7	743.8	0.026
R-10	07/08/10	P2A	6391	1042	23	1042	1065	39.4	410.1	0.0156
R-10a	07/08/10	Single	6371	690	10	690	700	68.3	205	0.0107
R-11	07/08/10	Single	5531	855	22.9	855	877.9	52.1	156	0.0062
R-35a	07/07/10	Single	8331	1013	49.1	1013	1062	241.1	723	0.0078
R-35b	07/13/10	Single	8351	825.4	23.1	825.4	848.5	68.4	205	0.0067
R-36	07/12/10	Single	8431	766.9	23	766.9	789.9	43.1	183	0.0072
R-43	07/15/10	P1A	8651	903.9	20.7	903.9	924.6	67.2	209	0.0029
R-43	07/15/10	P2A	8661	969.1	10	969.1	979.1	25.2	85.2	0.0029

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

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

<sup>c</sup> See Table.3.4-2 for explanation.

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

Location	Deviation	Cause	Comment
MCO-3 on 07/01/10, MCA-1 on 07/02/10, TSCA-6 on 07/07/10, M-1E on 07/08/10, M-2E on 07/11/10, Mortandad below Effluent Canyon on 7/11/10, TS-1W on 07/11/10, TS-2E on 07/11/10	No data are included in this report for these locations.	These locations were not sampled because they were dry.	These locations will be sampled during the next scheduled PME.
MCO-2 on 07/01/10, MCO-0.6 on 07/02/10, MT-3 on 07/09/10	Limited data are included in this report for these locations.	Limited analytical suites were collected and analyzed because wells ran dry.	These locations will be sampled during the next scheduled PME.
R-34 on 07/09/10	No data are included in this report for this location.	Data on hold pending release by San Ildefonso Pueblo.	Data will be reported when released by San Ildefonso Pueblo.

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

Location	Deviation	Cause	Comment
Middle Sandia Canyon at terminus of persistent base flow on 07/12/10	No data are included in this report for this location.	This location was not sampled because it was dry.	This location will be sampled during the next scheduled PME.
R-10 screen 1 and screen 2, R-10a on 07/08/10	No data are included in this report for these locations.	Data on hold pending release by San Ildefonso Pueblo.	Data will be reported when released by San Ildefonso Pueblo.



**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	NMWQCC GW STD
<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  
Sources of Screening Levels for Groundwater  
and Surface Water at Los Alamos National Laboratory**

Standard Type	Groundwater	Surface Water
DOE BCGs	n/a <sup>a</sup>	X <sup>b</sup>
DOE 100-mrem Public Dose DCG	X	n/a
DOE 4-mrem Drinking Water DCG	X	n/a
EPA MCL	X	n/a
EPA Regional Tap Water Screening Level	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>							
M-1W	07/09/10	Aluminum	F <sup>a</sup>	13,400	µg/L	750	NM Aquatic Acute
M-1W	07/09/10	Copper	F	15.6	µg/L	13.4	NM Aquatic Acute 100 mg
<b>Alluvial Groundwater</b>							
MCO-4B	07/06/10	Gross Beta	UF <sup>b</sup>	136	pCi/L	50	EPA DW Screening Level
MCO-4B	07/06/10	Strontium-90	UF	61.6	pCi/L	8	EPA MCL
MCO-5	07/06/10	Gross Beta	UF	94.2	pCi/L	50	EPA DW Screening Level
MCO-5	07/06/10	Strontium-90	UF	41.9	pCi/L	8	EPA MCL
MCO-6	07/07/10	Gross Beta	UF	114	pCi/L	50	EPA DW Screening Level
MCO-6	07/07/10	Strontium-90	UF	37.9	pCi/L	8	EPA MCL
MCO-0.6	07/02/10	Chloride	F	616	mg/L	250	NMWQCC GW STD
MCO-2	07/01/10	Chloride	F	263	mg/L	250	NMWQCC GW STD
MCO-0.6	07/02/10	TDS	F	1560	mg/L	1000	NMWQCC GW STD
MCO-4B	07/06/10	Perchlorate	F	9.1	µg/L	4	Consent Order
MCO-5	07/06/10	Perchlorate	F	8.27	µg/L	4	Consent Order
MCO-6	07/07/10	Perchlorate	F	7.31	µg/L	4	Consent Order

**Table 4.2-2 (continued)**

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
MCO-7	07/07/10	Perchlorate	F	8.21	µg/L	4	Consent Order
MCO-7.5	07/08/10	Perchlorate	F	11	µg/L	4	Consent Order
MT-3	07/09/10	Perchlorate	F	23.3	µg/L	4	Consent Order
MCO-0.6	07/02/10	Chromium	UF	662	µg/L	100	EPA MCL
MCO-0.6	07/02/10	Iron	F	49,500	µg/L	1000	NMWQCC GW STD
MCO-0.6	07/02/10	Manganese	F	7800	µg/L	200	NMWQCC GW STD
MCO-2	07/01/10	Iron	F	1030	µg/L	1000	NMWQCC GW STD
MCO-2	07/01/10	Manganese	F	694	µg/L	200	NMWQCC GW STD
<b>Intermediate Groundwater</b>							
MCOI-4	07/07/10	Perchlorate	F	58.5	µg/L	4	Consent Order
MCOI-5	07/07/10	Perchlorate	F	97.6	µg/L	4	Consent Order
MCOI-6	07/06/10	Perchlorate	F	81.4	µg/L	4	Consent Order
MCOI-6	07/06/10	Chromium	F	55.6	µg/L	50	NMWQCC GW STD
MCOI-5	07/07/10	Methylene Chloride	UF	6.97	µg/L	5	EPA MCL
<b>Regional Groundwater</b>							
R-15	07/14/10	Perchlorate	F	7.29	µg/L	4	Consent Order
R-42	07/13/10	Chromium	F	1240	µg/L	50	NMWQCC GW STD
R-28	07/14/10	Chromium	F	558	µg/L	50	NMWQCC GW STD
R-50	07/02/10	Chromium	F	55.2	µg/L	50	NMWQCC GW STD
R-46	07/01/10	Bis(2-ethylhexyl)phthalate	UF	13.6	µg/L	6	EPA MCL

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

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

**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>Intermediate Groundwater</b>							
SCI-2	07/15/10	Chromium	F*	545	µg /L	50	NMWQCC GW STD

\* F = Filtered.



# **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 and Results from the Four Previous Monitoring Events if Available**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
M-1W	— <sup>a</sup>	—	07/09/10	WS <sup>b</sup>	Dissolved Oxygen	9.32	mg/L	CAMO-10-22761
M-1W	—	—	08/17/09	WS	Dissolved Oxygen	8.26	mg/L	CAMO-09-9440
M-1W	—	—	02/12/09	WS	Dissolved Oxygen	13.25	mg/L	CAMO-09-2379
M-1W	—	—	08/13/08	WS	Dissolved Oxygen	4.67	mg/L	CAMO-08-14416
M-1W	—	—	02/14/08	WS	Dissolved Oxygen	9.4	mg/L	CAMO-08-10880
M-1W	—	—	07/09/10	WS	pH	7.82	SU <sup>c</sup>	CAMO-10-22761
M-1W	—	—	08/17/09	WS	pH	7.87	SU	CAMO-09-9440
M-1W	—	—	02/12/09	WS	pH	7.31	SU	CAMO-09-2379
M-1W	—	—	08/13/08	WS	pH	6.83	SU	CAMO-08-14416
M-1W	—	—	02/14/08	WS	pH	6.47	SU	CAMO-08-10880
M-1W	—	—	07/09/10	WS	Specific Conductance	414	μS/cm <sup>d</sup>	CAMO-10-22761
M-1W	—	—	08/17/09	WS	Specific Conductance	198	μS/cm	CAMO-09-9440
M-1W	—	—	02/12/09	WS	Specific Conductance	2519	μS/cm	CAMO-09-2379
M-1W	—	—	08/13/08	WS	Specific Conductance	487	μS/cm	CAMO-08-14416
M-1W	—	—	02/14/08	WS	Specific Conductance	3.59	μS/cm	CAMO-08-10880
M-1W	—	—	07/09/10	WS	Temperature	19.99	deg C	CAMO-10-22761
M-1W	—	—	08/17/09	WS	Temperature	17.9	deg C	CAMO-09-9440
M-1W	—	—	02/12/09	WS	Temperature	2.36	deg C	CAMO-09-2379
M-1W	—	—	08/13/08	WS	Temperature	19.6	deg C	CAMO-08-14416
M-1W	—	—	02/14/08	WS	Temperature	1.3	deg C	CAMO-08-10880
M-1W	—	—	07/09/10	WS	Turbidity	99.6	NTU <sup>e</sup>	CAMO-10-22761
M-1W	—	—	08/17/09	WS	Turbidity	166	NTU	CAMO-09-9440
M-1W	—	—	02/12/09	WS	Turbidity	2.78	NTU	CAMO-09-2379
M-1W	—	—	08/13/08	WS	Turbidity	222	NTU	CAMO-08-14416
M-1W	—	—	02/14/08	WS	Turbidity	48.3	NTU	CAMO-08-10880
MCO-0.6	5641	1.05	07/02/10	WG <sup>f</sup>	Dissolved Oxygen	2.66	mg/L	CAMO-10-22780

A-1

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-0.6	5641	1.05	08/06/09	WG	Dissolved Oxygen	1.74	mg/L	CAMO-09-9472
MCO-0.6	5641	1.05	02/05/09	WG	Dissolved Oxygen	7.28	mg/L	CAMO-09-2412
MCO-0.6	5641	1.05	11/05/08	WG	Dissolved Oxygen	2.72	mg/L	CAMO-09-755
MCO-0.6	5641	1.05	08/12/08	WG	Dissolved Oxygen	2.6	mg/L	CAMO-08-14442
MCO-0.6	5641	1.05	07/02/10	WG	Oxidation Reduction Potential	133.3	mV <sup>g</sup>	CAMO-10-22780
MCO-0.6	5641	1.05	08/06/09	WG	Oxidation Reduction Potential	23.4	mV	CAMO-09-9472
MCO-0.6	5641	1.05	02/05/09	WG	Oxidation Reduction Potential	345.8	mV	CAMO-09-2412
MCO-0.6	5641	1.05	11/05/08	WG	Oxidation Reduction Potential	399	mV	CAMO-09-755
MCO-0.6	5641	1.05	08/12/08	WG	Oxidation Reduction Potential	66	mV	CAMO-08-14442
MCO-0.6	5641	1.05	07/02/10	WG	pH	6.45	SU	CAMO-10-22780
MCO-0.6	5641	1.05	08/06/09	WG	pH	6.34	SU	CAMO-09-9472
MCO-0.6	5641	1.05	02/05/09	WG	pH	6.02	SU	CAMO-09-2412
MCO-0.6	5641	1.05	07/02/10	WG	Specific Conductance	2830	μS/cm	CAMO-10-22780
MCO-0.6	5641	1.05	08/06/09	WG	Specific Conductance	1190	μS/cm	CAMO-09-9472
MCO-0.6	5641	1.05	02/05/09	WG	Specific Conductance	897	μS/cm	CAMO-09-2412
MCO-0.6	5641	1.05	07/02/10	WG	Temperature	17.14	deg C	CAMO-10-22780
MCO-0.6	5641	1.05	08/06/09	WG	Temperature	17.94	deg C	CAMO-09-9472
MCO-0.6	5641	1.05	02/05/09	WG	Temperature	4.15	deg C	CAMO-09-2412
MCO-0.6	5641	1.05	11/05/08	WG	Temperature	10.7	deg C	CAMO-09-755
MCO-0.6	5641	1.05	08/12/08	WG	Temperature	20.3	deg C	CAMO-08-14442
MCO-0.6	5641	1.05	07/02/10	WG	Turbidity	1000	NTU	CAMO-10-22780
MCO-0.6	5641	1.05	08/06/09	WG	Turbidity	32.7	NTU	CAMO-09-9472
MCO-0.6	5641	1.05	02/05/09	WG	Turbidity	40.2	NTU	CAMO-09-2412
MCO-0.6	5641	1.05	11/05/08	WG	Turbidity	77.2	NTU	CAMO-09-755
MCO-0.6	5641	1.05	08/12/08	WG	Turbidity	8.95	NTU	CAMO-08-14442



**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-2	4551	2	07/01/10	WG	Dissolved Oxygen	1.99	mg/L	CAMO-10-22794
MCO-2	4551	2	01/29/10	WG	Dissolved Oxygen	1.07	mg/L	CAMO-10-9274
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	07/01/10	WG	Oxidation Reduction Potential	335.8	mV	CAMO-10-22794
MCO-2	4551	2	01/29/10	WG	Oxidation Reduction Potential	250.1	mV	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	07/01/10	WG	pH	5.21	SU	CAMO-10-22794
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	07/01/10	WG	Specific Conductance	1334	µS/cm	CAMO-10-22794
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	07/01/10	WG	Temperature	14.1	deg C	CAMO-10-22794
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	07/01/10	WG	Turbidity	103	NTU	CAMO-10-22794
MCO-2	4551	2	08/12/09	WG	Turbidity	38.3	NTU	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Turbidity	28.5	NTU	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Turbidity	86	NTU	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	Turbidity	189	NTU	CAMO-08-14460

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-4B	4581	8.9	07/06/10	WG	Dissolved Oxygen	8.23	mg/L	CAMO-10-22807
MCO-4B	4581	8.9	05/14/10	WG	Dissolved Oxygen	9.48	mg/L	CAMO-10-16713
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	07/06/10	WG	Oxidation Reduction Potential	298.4	mV	CAMO-10-22807
MCO-4B	4581	8.9	05/14/10	WG	Oxidation Reduction Potential	95.5	mV	CAMO-10-16713
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	07/06/10	WG	pH	6.21	SU	CAMO-10-22807
MCO-4B	4581	8.9	05/14/10	WG	pH	6.72	SU	CAMO-10-16713
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	07/06/10	WG	Specific Conductance	581	µS/cm	CAMO-10-22807
MCO-4B	4581	8.9	05/14/10	WG	Specific Conductance	605	µS/cm	CAMO-10-16713
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	07/06/10	WG	Temperature	8.37	deg C	CAMO-10-22807
MCO-4B	4581	8.9	05/14/10	WG	Temperature	9.01	deg C	CAMO-10-16713
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	07/06/10	WG	Turbidity	1.18	NTU	CAMO-10-22807
MCO-4B	4581	8.9	05/14/10	WG	Turbidity	1.76	NTU	CAMO-10-16713

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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-5	4591	21	07/06/10	WG	Dissolved Oxygen	9.09	mg/L	CAMO-10-22811
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	07/06/10	WG	Oxidation Reduction Potential	238.3	mV	CAMO-10-22811
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
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	07/06/10	WG	pH	6.36	SU	CAMO-10-22811
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	07/06/10	WG	Specific Conductance	543	µS/cm	CAMO-10-22811
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	07/06/10	WG	Temperature	9.01	deg C	CAMO-10-22811
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-5	4591	21	11/10/08	WG	Temperature	8.9	deg C	CAMO-09-775
MCO-5	4591	21	07/06/10	WG	Turbidity	4.9	NTU	CAMO-10-22811
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-6	4601	27	07/07/10	WG	Dissolved Oxygen	8.69	mg/L	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Dissolved Oxygen	8.56	mg/L	CAMO-10-16715
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	07/07/10	WG	Oxidation Reduction Potential	372	mV	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Oxidation Reduction Potential	450	mV	CAMO-10-16715
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	07/07/10	WG	pH	6.09	SU	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	pH	6.71	SU	CAMO-10-16715
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	07/07/10	WG	Specific Conductance	506	µS/cm	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Specific Conductance	422	µS/cm	CAMO-10-16715
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	07/07/10	WG	Temperature	9.56	deg C	CAMO-10-22814

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-6	4601	27	05/11/10	WG	Temperature	9.42	deg C	CAMO-10-16715
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	07/07/10	WG	Turbidity	0.8	NTU	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Turbidity	3.07	NTU	CAMO-10-16715
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-7	4631	39	07/07/10	WG	Dissolved Oxygen	8.21	mg/L	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Dissolved Oxygen	7.55	mg/L	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Dissolved Oxygen	10.41	mg/L	CAMO-10-9289
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	07/07/10	WG	Oxidation Reduction Potential	306.1	mV	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Oxidation Reduction Potential	404.3	mV	CAMO-10-16717
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	07/07/10	WG	pH	6.12	SU	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	pH	6.71	SU	CAMO-10-16717
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	07/07/10	WG	Specific Conductance	422	µS/cm	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Specific Conductance	476	µS/cm	CAMO-10-16717
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

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7	4631	39	07/07/10	WG	Temperature	10.34	deg C	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Temperature	10.88	deg C	CAMO-10-16717
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	07/07/10	WG	Turbidity	4.71	NTU	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Turbidity	4.64	NTU	CAMO-10-16717
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
MCO-7.5	4661	35	07/08/10	WG	Dissolved Oxygen	9.14	mg/L	CAMO-10-22818
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	07/08/10	WG	Oxidation Reduction Potential	103.3	mV	CAMO-10-22818
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	07/08/10	WG	pH	6.58	SU	CAMO-10-22818
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	07/08/10	WG	Specific Conductance	472	µS/cm	CAMO-10-22818
MCO-7.5	4661	35	01/28/10	WG	Specific Conductance	479	µS/cm	CAMO-10-9293

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/08/10	WG	Temperature	10.61	deg C	CAMO-10-22818
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	07/08/10	WG	Turbidity	3.98	NTU	CAMO-10-22818
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
MCOI-4	5981	499	07/07/10	WG	Dissolved Oxygen	7.75	mg/L	CAMO-10-22832
MCOI-4	5981	499	05/04/10	WG	Dissolved Oxygen	8.02	mg/L	CAMO-10-16726
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	07/07/10	WG	Oxidation Reduction Potential	14.41	mV	CAMO-10-22832
MCOI-4	5981	499	05/04/10	WG	Oxidation Reduction Potential	220.1	mV	CAMO-10-16726
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	07/07/10	WG	pH	7.25	SU	CAMO-10-22832
MCOI-4	5981	499	05/04/10	WG	pH	7.28	SU	CAMO-10-16726
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

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-4	5981	499	08/07/09	WG	pH	7.2	SU	CAMO-09-9527
MCOI-4	5981	499	07/07/10	WG	Specific Conductance	272	µS/cm	CAMO-10-22832
MCOI-4	5981	499	05/04/10	WG	Specific Conductance	284	µS/cm	CAMO-10-16726
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	07/07/10	WG	Temperature	15.85	deg C	CAMO-10-22832
MCOI-4	5981	499	05/04/10	WG	Temperature	17.48	deg C	CAMO-10-16726
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	07/07/10	WG	Turbidity	1.03	NTU	CAMO-10-22832
MCOI-4	5981	499	05/04/10	WG	Turbidity	19.9	NTU	CAMO-10-16726
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-5	5721	689	07/07/10	WG	Dissolved Oxygen	6.21	mg/L	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Dissolved Oxygen	6	mg/L	CAMO-10-16735
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	07/07/10	WG	Oxidation Reduction Potential	75.6	mV	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Oxidation Reduction Potential	238.1	mV	CAMO-10-16735
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	07/07/10	WG	pH	7.78	SU	CAMO-10-22836

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-5	5721	689	05/03/10	WG	pH	8.01	SU	CAMO-10-16735
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	07/07/10	WG	Specific Conductance	182	µS/cm	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Specific Conductance	184	µS/cm	CAMO-10-16735
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	07/07/10	WG	Temperature	14.79	deg C	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Temperature	14.83	deg C	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Temperature	12.96	deg C	CAMO-10-9315
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	07/07/10	WG	Turbidity	1.74	NTU	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Turbidity	2.96	NTU	CAMO-10-16735
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-6	5731	686	07/06/10	WG	Dissolved Oxygen	5.17	mg/L	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Dissolved Oxygen	5.53	mg/L	CAMO-10-16737
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	07/06/10	WG	Oxidation Reduction Potential	170.9	mV	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Oxidation Reduction Potential	92.8	mV	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Oxidation Reduction Potential	211.8	mV	CAMO-10-9319

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/06/10	WG	pH	6.52	SU	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	pH	6.54	SU	CAMO-10-16737
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	07/06/10	WG	Specific Conductance	522	µS/cm	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Specific Conductance	590	µS/cm	CAMO-10-16737
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	07/06/10	WG	Temperature	20.55	deg C	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Temperature	17.01	deg C	CAMO-10-16737
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	07/06/10	WG	Turbidity	0.59	NTU	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Turbidity	0.58	NTU	CAMO-10-16737
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
MT-3	5261	44	08/16/07	WG	Alkalinity-CO3+HCO3	186	mg/L	FU070800G3TM01
MT-3	5261	44	07/09/10	WG	Dissolved Oxygen	9.78	mg/L	CAMO-10-22826
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	08/16/07	WG	Dissolved Oxygen	5.59	mg/L	FU070800G3TM01

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**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MT-3	5261	44	06/07/07	WG	Dissolved Oxygen	5.77	mg/L	FU070600G3TM01
MT-3	5261	44	07/09/10	WG	Oxidation Reduction Potential	97.1	mV	CAMO-10-22826
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	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	07/09/10	WG	pH	7.17	SU	CAMO-10-22826
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	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	07/09/10	WG	Specific Conductance	475	µS/cm	CAMO-10-22826
MT-3	5261	44	02/03/10	WG	Specific Conductance	472	µS/cm	CAMO-10-9298
MT-3	5261	44	02/06/08	WG	Specific Conductance	463	µS/cm	CAMO-08-10502
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	07/09/10	WG	Temperature	16.88	deg C	CAMO-10-22826
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	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	07/09/10	WG	Turbidity	46.4	NTU	CAMO-10-22826
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	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	07/13/10	WG	Dissolved Oxygen	4.69	mg/L	CAMO-10-22844

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-1	1701	1031.1	05/03/10	WG	Dissolved Oxygen	5.21	mg/L	CAMO-10-16739
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	07/13/10	WG	Oxidation Reduction Potential	49.5	mV	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Oxidation Reduction Potential	141.6	mV	CAMO-10-16739
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	07/13/10	WG	pH	7.36	SU	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	pH	7.55	SU	CAMO-10-16739
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
R-1	1701	1031.1	07/13/10	WG	Specific Conductance	128	µS/cm	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Specific Conductance	143	µS/cm	CAMO-10-16739
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	07/13/10	WG	Temperature	21.71	deg C	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Temperature	21.9	deg C	CAMO-10-16739
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	07/13/10	WG	Turbidity	0.39	NTU	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Turbidity	0.49	NTU	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Turbidity	1.42	NTU	CAMO-10-9329

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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-13	1741	958.3	07/13/10	WG	Dissolved Oxygen	5.31	mg/L	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Dissolved Oxygen	4.77	mg/L	CAMO-10-16787
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	07/13/10	WG	Oxidation Reduction Potential	302.4	mV	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Oxidation Reduction Potential	230.9	mV	CAMO-10-16787
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	07/13/10	WG	pH	7.88	SU	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	pH	8.15	SU	CAMO-10-16787
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
R-13	1741	958.3	08/06/09	WG	pH	8.17	SU	CAMO-09-9558
R-13	1741	958.3	07/13/10	WG	Specific Conductance	145	µS/cm	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Specific Conductance	131	µS/cm	CAMO-10-16787
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	07/13/10	WG	Temperature	23.22	deg C	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Temperature	23.13	deg C	CAMO-10-16787
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-13	1741	958.3	07/13/10	WG	Turbidity	0.45	NTU	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Turbidity	0.53	NTU	CAMO-10-16787
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-14	8571	1200.6	07/01/10	WG	Dissolved Oxygen	4.03	mg/L	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Dissolved Oxygen	4.06	mg/L	CAMO-10-16752
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	07/01/10	WG	Oxidation Reduction Potential	166.2	mV	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Oxidation Reduction Potential	20.2	mV	CAMO-10-16752
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	07/01/10	WG	pH	8.19	SU	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	pH	8.02	SU	CAMO-10-16752
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	07/01/10	WG	Specific Conductance	132	µS/cm	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Specific Conductance	132	µS/cm	CAMO-10-16752
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	07/01/10	WG	Temperature	22.6	deg C	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Temperature	22.13	deg C	CAMO-10-16752

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/01/10	WG	Turbidity	1.08	NTU	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Turbidity	0.98	NTU	CAMO-10-16752
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-15	1751	958.6	07/14/10	WG	Dissolved Oxygen	3.79	mg/L	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Dissolved Oxygen	5.77	mg/L	CAMO-10-16759
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	07/14/10	WG	Oxidation Reduction Potential	165.3	mV	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Oxidation Reduction Potential	61.8	mV	CAMO-10-16759
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
R-15	1751	958.6	08/06/09	WG	Oxidation Reduction Potential	170.5	mV	CAMO-09-9542
R-15	1751	958.6	07/14/10	WG	pH	8.38	SU	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	pH	8.1	SU	CAMO-10-16759
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	07/14/10	WG	Specific Conductance	153	µS/cm	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Specific Conductance	147	µS/cm	CAMO-10-16759
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-15	1751	958.6	08/06/09	WG	Specific Conductance	149	µS/cm	CAMO-09-9542
R-15	1751	958.6	07/14/10	WG	Temperature	19.65	deg C	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Temperature	20.3	deg C	CAMO-10-16759
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	07/14/10	WG	Turbidity	5.47	NTU	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Turbidity	3.1	NTU	CAMO-10-16759
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-16	8861	863.4	07/12/10	WG	Dissolved Oxygen	4.66	mg/L	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Dissolved Oxygen	5.43	mg/L	CAMO-10-16855
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
R-16	8861	863.4	07/12/10	WG	Oxidation Reduction Potential	-2.5	mV	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Oxidation Reduction Potential	192.7	mV	CAMO-10-16855
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	07/12/10	WG	pH	7.83	SU	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	pH	7.47	SU	CAMO-10-16855
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	07/12/10	WG	Specific Conductance	157	µS/cm	CAMO-10-22896



**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	8861	863.4	05/04/10	WG	Specific Conductance	176	µS/cm	CAMO-10-16855
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	07/12/10	WG	Temperature	23.53	deg C	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Temperature	22.81	deg C	CAMO-10-16855
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	07/12/10	WG	Turbidity	0.32	NTU	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Turbidity	1.5	NTU	CAMO-10-16855
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	8871	1237	07/12/10	WG	Dissolved Oxygen	1.75	mg/L	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Dissolved Oxygen	3.11	mg/L	CAMO-10-16852
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	07/12/10	WG	Oxidation Reduction Potential	-59.5	mV	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Oxidation Reduction Potential	149.5	mV	CAMO-10-16852
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	07/12/10	WG	pH	8.01	SU	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	pH	8.09	SU	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	pH	8.11	SU	CAMO-10-12325

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/12/10	WG	Specific Conductance	177	µS/cm	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Specific Conductance	157	µS/cm	CAMO-10-16852
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	07/12/10	WG	Temperature	24.12	deg C	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Temperature	23.59	deg C	CAMO-10-16852
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	07/12/10	WG	Turbidity	1.16	NTU	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Turbidity	0.43	NTU	CAMO-10-16852
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
R-16	8871	1237	11/19/09	WG	Turbidity	2.96	NTU	CAMO-10-3193
R-16r	6341	600	07/15/10	WG	Dissolved Oxygen	5.84	mg/L	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Dissolved Oxygen	5.04	mg/L	CAMO-10-16833
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	07/15/10	WG	Oxidation Reduction Potential	446.3	mV	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Oxidation Reduction Potential	88.2	mV	CAMO-10-16833
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16r	6341	600	07/15/10	WG	pH	7.77	SU	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	pH	7.76	SU	CAMO-10-16833
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	07/15/10	WG	Specific Conductance	186	µS/cm	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Specific Conductance	169	µS/cm	CAMO-10-16833
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	07/15/10	WG	Temperature	23.09	deg C	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Temperature	20.05	deg C	CAMO-10-16833
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	07/15/10	WG	Turbidity	0.47	NTU	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Turbidity	0.22	NTU	CAMO-10-16833
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-28	1781	934.3	07/14/10	WG	Dissolved Oxygen	2.95	mg/L	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Dissolved Oxygen	5.96	mg/L	CAMO-10-16764
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	07/14/10	WG	Oxidation Reduction Potential	69	mV	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Oxidation Reduction Potential	438	mV	CAMO-10-16764

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/14/10	WG	pH	7.99	SU	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	pH	7.74	SU	CAMO-10-16764
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	07/14/10	WG	Specific Conductance	391	μS/cm	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Specific Conductance	394	μS/cm	CAMO-10-16764
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	07/14/10	WG	Temperature	21.99	deg C	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Temperature	20.05	deg C	CAMO-10-16764
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
R-28	1781	934.3	08/13/09	WG	Temperature	22.14	deg C	CAMO-09-9546
R-28	1781	934.3	07/14/10	WG	Turbidity	0.83	NTU	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Turbidity	0.85	NTU	CAMO-10-16764
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-33	5491	995.5	07/09/10	WG	Dissolved Oxygen	4.19	mg/L	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Dissolved Oxygen	4.46	mg/L	CAMO-10-16816
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

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5491	995.5	08/14/09	WG	Dissolved Oxygen	4.56	mg/L	CAMO-09-9578
R-33	5491	995.5	07/09/10	WG	Oxidation Reduction Potential	75.7	mV	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Oxidation Reduction Potential	403.6	mV	CAMO-10-16816
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	07/09/10	WG	pH	7.26	SU	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	pH	7.2	SU	CAMO-10-16816
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	07/09/10	WG	Specific Conductance	140	µS/cm	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Specific Conductance	137	µS/cm	CAMO-10-16816
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
R-33	5491	995.5	08/14/09	WG	Specific Conductance	131	µS/cm	CAMO-09-9578
R-33	5491	995.5	07/09/10	WG	Temperature	21.75	deg C	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Temperature	18.93	deg C	CAMO-10-16816
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	07/09/10	WG	Turbidity	0.46	NTU	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Turbidity	1.36	NTU	CAMO-10-16816
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	5501	1112.4	07/09/10	WG	Dissolved Oxygen	4.74	mg/L	CAMO-10-22885

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5501	1112.4	05/12/10	WG	Dissolved Oxygen	5.22	mg/L	CAMO-10-16818
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	07/09/10	WG	Oxidation Reduction Potential	65.6	mV	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Oxidation Reduction Potential	351.8	mV	CAMO-10-16818
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	07/09/10	WG	pH	7.32	SU	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	pH	7.67	SU	CAMO-10-16818
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	07/09/10	WG	Specific Conductance	137	µS/cm	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Specific Conductance	133	µS/cm	CAMO-10-16818
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	07/09/10	WG	Temperature	21.99	deg C	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Temperature	20.9	deg C	CAMO-10-16818
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	07/09/10	WG	Turbidity	6.34	NTU	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Turbidity	0.46	NTU	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Turbidity	0.49	NTU	CAMO-10-9367

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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-34	1791	883.7	07/09/10	WG	Dissolved Oxygen	4.21	mg/L	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Dissolved Oxygen	4.06	mg/L	CAMO-10-16837
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	07/09/10	WG	Oxidation Reduction Potential	432.5	mV	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Oxidation Reduction Potential	365.5	mV	CAMO-10-16837
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	07/09/10	WG	pH	8.09	SU	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	pH	8.2	SU	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	pH	8.06	SU	CAMO-10-9350
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	07/09/10	WG	Specific Conductance	151	μS/cm	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Specific Conductance	146	μS/cm	CAMO-10-16837
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	07/09/10	WG	Temperature	23.52	deg C	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Temperature	22.23	deg C	CAMO-10-16837
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-34	1791	883.7	07/09/10	WG	Turbidity	2.81	NTU	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Turbidity	3.87	NTU	CAMO-10-16837
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-42	8591	931.8	07/13/10	WG	Dissolved Oxygen	6.13	mg/L	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-16822
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	07/13/10	WG	Oxidation Reduction Potential	406.6	mV	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Oxidation Reduction Potential	408.5	mV	CAMO-10-16822
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
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	07/13/10	WG	pH	7.18	SU	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	pH	7.36	SU	CAMO-10-16822
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	07/13/10	WG	Specific Conductance	471	μS/cm	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Specific Conductance	456	μS/cm	CAMO-10-16822
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



**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/13/10	WG	Temperature	21.1	deg C	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Temperature	19.72	deg C	CAMO-10-16822
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	07/13/10	WG	Turbidity	1.32	NTU	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Turbidity	1.42	NTU	CAMO-10-16822
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-44	8671	895	07/14/10	WG	Dissolved Oxygen	3.25	mg/L	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Dissolved Oxygen	3.33	mg/L	CAMO-10-16840
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	07/14/10	WG	Oxidation Reduction Potential	393.4	mV	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Oxidation Reduction Potential	46.3	mV	CAMO-10-16840
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	07/14/10	WG	pH	7.53	SU	CAMO-10-22866
R-44	8671	895	05/04/10	WG	pH	7.36	SU	CAMO-10-16840
R-44	8671	895	02/10/10	WG	pH	7.67	SU	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	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	07/14/10	WG	Specific Conductance	138	µS/cm	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Specific Conductance	128	µS/cm	CAMO-10-16840
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	07/14/10	WG	Temperature	22.29	deg C	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Temperature	21.64	deg C	CAMO-10-16840
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	07/14/10	WG	Turbidity	1.13	NTU	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Turbidity	1.09	NTU	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Turbidity	1.41	NTU	CAMO-10-9370
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	8681	985.3	07/14/10	WG	Dissolved Oxygen	5.11	mg/L	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Dissolved Oxygen	5.64	mg/L	CAMO-10-16843
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	07/14/10	WG	Oxidation Reduction Potential	369.5	mV	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Oxidation Reduction Potential	57.1	mV	CAMO-10-16843
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-44	8681	985.3	07/14/10	WG	pH	7.64	SU	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	pH	7.47	SU	CAMO-10-16843
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	07/14/10	WG	Specific Conductance	151	µS/cm	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Specific Conductance	136	µS/cm	CAMO-10-16843
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	07/14/10	WG	Temperature	23.4	deg C	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Temperature	20.85	deg C	CAMO-10-16843
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
R-44	8681	985.3	08/17/09	WG	Temperature	22.58	deg C	CAMO-09-9927
R-44	8681	985.3	07/14/10	WG	Turbidity	0.77	NTU	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Turbidity	0.28	NTU	CAMO-10-16843
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-45	8721	880	07/02/10	WG	Dissolved Oxygen	6.13	mg/L	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Dissolved Oxygen	5.8	mg/L	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Dissolved Oxygen	6.02	mg/L	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Dissolved Oxygen	5.95	mg/L	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Dissolved Oxygen	4.14	mg/L	CAMO-09-11401
R-45	8721	880	07/02/10	WG	Oxidation Reduction Potential	125.7	mV	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Oxidation Reduction Potential	26.2	mV	CAMO-10-16825

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8721	880	11/16/09	WG	Oxidation Reduction Potential	82.3	mV	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Oxidation Reduction Potential	130.1	mV	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Oxidation Reduction Potential	120.6	mV	CAMO-09-11401
R-45	8721	880	07/02/10	WG	pH	7.62	SU	CAMO-10-22877
R-45	8721	880	05/13/10	WG	pH	7.48	SU	CAMO-10-16825
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	07/02/10	WG	Specific Conductance	161	µS/cm	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Specific Conductance	169	µS/cm	CAMO-10-16825
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	07/02/10	WG	Temperature	21.8	deg C	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Temperature	20.23	deg C	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Temperature	19.45	deg C	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Temperature	22.9	deg C	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Temperature	22.91	deg C	CAMO-09-11401
R-45	8721	880	07/02/10	WG	Turbidity	0.87	NTU	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Turbidity	0.41	NTU	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Turbidity	0.68	NTU	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Turbidity	1.23	NTU	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Turbidity	2.83	NTU	CAMO-09-11401
R-45	8731	974.9	07/02/10	WG	Dissolved Oxygen	4.56	mg/L	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Dissolved Oxygen	6.22	mg/L	CAMO-10-16828
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	07/02/10	WG	Oxidation Reduction Potential	73.3	mV	CAMO-10-22874

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**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8731	974.9	05/14/10	WG	Oxidation Reduction Potential	20	mV	CAMO-10-16828
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	07/02/10	WG	pH	7.9	SU	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	pH	7.82	SU	CAMO-10-16828
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
R-45	8731	974.9	07/02/10	WG	Specific Conductance	160	µS/cm	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Specific Conductance	162	µS/cm	CAMO-10-16828
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	07/02/10	WG	Temperature	24.78	deg C	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Temperature	21.25	deg C	CAMO-10-16828
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	07/02/10	WG	Turbidity	0.77	NTU	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Turbidity	0.58	NTU	CAMO-10-16828
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-46	8741	1340	07/01/10	WG	Dissolved Oxygen	6.02	mg/L	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Dissolved Oxygen	5.01	mg/L	CAMO-10-16830
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

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-46	8741	1340	07/01/10	WG	Oxidation Reduction Potential	96.1	mV	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Oxidation Reduction Potential	25.2	mV	CAMO-10-16830
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	07/01/10	WG	pH	7.88	SU	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	pH	7.51	SU	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	pH	7.76	SU	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	pH	7.66	SU	CAMO-10-3236
R-46	8741	1340	07/01/10	WG	Specific Conductance	124	µS/cm	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Specific Conductance	117	µS/cm	CAMO-10-16830
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	07/01/10	WG	Temperature	21.92	deg C	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Temperature	20.99	deg C	CAMO-10-16830
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	07/01/10	WG	Turbidity	2.04	NTU	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Turbidity	0.9	NTU	CAMO-10-16830
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-50	9021	1077	07/02/10	WG	Dissolved Oxygen	4.23	mg/L	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Dissolved Oxygen	4.26	mg/L	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Dissolved Oxygen	5.78	mg/L	CAMO-10-13852
R-50	9021	1077	07/02/10	WG	Oxidation Reduction Potential	77.4	mV	CAMO-10-22902

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-50	9021	1077	05/27/10	WG	Oxidation Reduction Potential	186.5	mV	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Oxidation Reduction Potential	278.2	mV	CAMO-10-13852
R-50	9021	1077	07/02/10	WG	pH	7.28	SU	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	pH	7.58	SU	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	pH	7.85	SU	CAMO-10-13852
R-50	9021	1077	07/02/10	WG	Specific Conductance	162	µS/cm	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Specific Conductance	166	µS/cm	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Specific Conductance	174	µS/cm	CAMO-10-13852
R-50	9021	1077	07/02/10	WG	Temperature	21.13	deg C	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Temperature	21.67	deg C	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Temperature	20.74	deg C	CAMO-10-13852
R-50	9021	1077	07/02/10	WG	Turbidity	2.63	NTU	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Turbidity	3.23	NTU	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Turbidity	2.02	NTU	CAMO-10-13852
R-50	9011	1185	07/02/10	WG	Dissolved Oxygen	9.26	mg/L	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Dissolved Oxygen	7.57	mg/L	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Dissolved Oxygen	9.29	mg/L	CAMO-10-13924
R-50	9011	1185	07/02/10	WG	Oxidation Reduction Potential	171.8	mV	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Oxidation Reduction Potential	116	mV	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Oxidation Reduction Potential	289.1	mV	CAMO-10-13924
R-50	9011	1185	07/02/10	WG	pH	7.82	SU	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	pH	7.61	SU	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	pH	7.45	SU	CAMO-10-13924
R-50	9011	1185	07/02/10	WG	Specific Conductance	159	µS/cm	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Specific Conductance	165	µS/cm	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Specific Conductance	175	µS/cm	CAMO-10-13924
R-50	9011	1185	07/02/10	WG	Temperature	22.14	deg C	CAMO-10-22907

**Table A-1 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-50	9011	1185	05/27/10	WG	Temperature	22.47	deg C	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Temperature	13.78	deg C	CAMO-10-13924
R-50	9011	1185	07/02/10	WG	Turbidity	31.4	NTU	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Turbidity	17.8	NTU	CAMO-10-18979

<sup>a</sup> — = Not applicable.

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

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

<sup>d</sup>  $\mu\text{S/cm}$  = 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 Parameter Results and Results from the Four Previous Monitoring Events if Available**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10	6381	874	07/08/10	WG <sup>a</sup>	Dissolved Oxygen	5.11	mg/L	CASA-10-22713
R-10	6381	874	05/05/10	WG	Dissolved Oxygen	5.38	mg/L	CASA-10-16767
R-10	6381	874	02/09/10	WG	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	07/08/10	WG	Oxidation Reduction Potential	55.6	mV <sup>b</sup>	CASA-10-22713
R-10	6381	874	05/05/10	WG	Oxidation Reduction Potential	175.5	mV	CASA-10-16767
R-10	6381	874	02/09/10	WG	Oxidation Reduction Potential	153.1	mV	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	07/08/10	WG	pH	7.78	SU <sup>c</sup>	CASA-10-22713
R-10	6381	874	05/05/10	WG	pH	8.11	SU	CASA-10-16767
R-10	6381	874	02/09/10	WG	pH	7.98	SU	CASA-10-9475
R-10	6381	874	11/10/09	WG	pH	7.88	SU	CASA-10-3704
R-10	6381	874	07/08/10	WG	Specific Conductance	178	μS/cm <sup>d</sup>	CASA-10-22713
R-10	6381	874	05/05/10	WG	Specific Conductance	171	μS/cm	CASA-10-16767
R-10	6381	874	02/09/10	WG	Specific Conductance	174	μS/cm	CASA-10-9475
R-10	6381	874	11/10/09	WG	Specific Conductance	194	μS/cm	CASA-10-3704
R-10	6381	874	07/08/10	WG	Temperature	23.58	deg C	CASA-10-22713
R-10	6381	874	05/05/10	WG	Temperature	24.33	deg C	CASA-10-16767
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	07/08/10	WG	Turbidity	0.44	NTU <sup>e</sup>	CASA-10-22713
R-10	6381	874	05/05/10	WG	Turbidity	0.82	NTU	CASA-10-16767
R-10	6381	874	02/09/10	WG	Turbidity	0.5	NTU	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	6391	1042	07/08/10	WG	Dissolved Oxygen	5.02	mg/L	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Dissolved Oxygen	5.42	mg/L	CASA-10-16771
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	07/08/10	WG	Oxidation Reduction Potential	54.6	mV	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Oxidation Reduction Potential	161.9	mV	CASA-10-16771
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	07/08/10	WG	pH	7.78	SU	CASA-10-22718
R-10	6391	1042	05/05/10	WG	pH	8.03	SU	CASA-10-16771
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	07/08/10	WG	Specific Conductance	178	µS/cm	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Specific Conductance	184	µS/cm	CASA-10-16771
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	07/08/10	WG	Temperature	23.92	deg C	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Temperature	24.52	deg C	CASA-10-16771
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10	6391	1042	09/23/09	WG	Temperature	24.84	deg C	CASA-09-12927
R-10	6391	1042	07/08/10	WG	Turbidity	0.23	NTU	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Turbidity	0.78	NTU	CASA-10-16771
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-10a	6371	690	07/08/10	WG	Dissolved Oxygen	5.42	mg/L	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Dissolved Oxygen	6.18	mg/L	CASA-10-16773
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	07/08/10	WG	Oxidation Reduction Potential	468.9	mV	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Oxidation Reduction Potential	78.6	mV	CASA-10-16773
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	07/08/10	WG	pH	7.62	SU	CASA-10-22719
R-10a	6371	690	05/05/10	WG	pH	7.65	SU	CASA-10-16773
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	07/08/10	WG	Specific Conductance	250	µS/cm	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Specific Conductance	232	µS/cm	CASA-10-16773
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	07/08/10	WG	Temperature	21.47	deg C	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Temperature	22	deg C	CASA-10-16773

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/08/10	WG	Turbidity	0.89	NTU	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Turbidity	0.21	NTU	CASA-10-16773
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-11	5531	855	07/08/10	WG	Dissolved Oxygen	4.98	mg/L	CASA-10-22657
R-11	5531	855	05/05/10	WG	Dissolved Oxygen	6.03	mg/L	CASA-10-16778
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	07/08/10	WG	Oxidation Reduction Potential	442.6	mV	CASA-10-22657
R-11	5531	855	05/05/10	WG	Oxidation Reduction Potential	64.4	mV	CASA-10-16778
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	07/08/10	WG	pH	7.67	SU	CASA-10-22657
R-11	5531	855	05/05/10	WG	pH	7.73	SU	CASA-10-16778
R-11	5531	855	01/29/10	WG	pH	7.6	SU	CASA-10-9459
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	07/08/10	WG	Specific Conductance	231	µS/cm	CASA-10-22657
R-11	5531	855	05/05/10	WG	Specific Conductance	215	µS/cm	CASA-10-16778
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-11	5531	855	07/08/10	WG	Temperature	22.21	deg C	CASA-10-22657
R-11	5531	855	05/05/10	WG	Temperature	22.54	deg C	CASA-10-16778
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	07/08/10	WG	Turbidity	0.34	NTU	CASA-10-22657
R-11	5531	855	05/05/10	WG	Turbidity	0.42	NTU	CASA-10-16778
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-35a	8331	1013.1	07/07/10	WG	Dissolved Oxygen	3.95	mg/L	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Dissolved Oxygen	4.87	mg/L	CASA-10-16779
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	07/07/10	WG	Oxidation Reduction Potential	355.7	mV	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Oxidation Reduction Potential	274.6	mV	CASA-10-16779
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	07/07/10	WG	pH	7.6	SU	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	pH	7.6	SU	CASA-10-16779
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	07/07/10	WG	Specific Conductance	255	µS/cm	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Specific Conductance	233	µS/cm	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Specific Conductance	242	µS/cm	CASA-10-9464

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/07/10	WG	Temperature	25.13	deg C	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Temperature	22.4	deg C	CASA-10-16779
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	07/07/10	WG	Turbidity	1.59	NTU	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Turbidity	0.84	NTU	CASA-10-16779
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-35b	8351	825.4	07/13/10	WG	Dissolved Oxygen	5.97	mg/L	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Dissolved Oxygen	5.94	mg/L	CASA-10-16783
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	07/13/10	WG	Oxidation Reduction Potential	78	mV	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Oxidation Reduction Potential	384.5	mV	CASA-10-16783
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	07/13/10	WG	pH	7.34	SU	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	pH	7.59	SU	CASA-10-16783
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	07/13/10	WG	Specific Conductance	156	µS/cm	CASA-10-22663

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-35b	8351	825.4	05/12/10	WG	Specific Conductance	153	μS/cm	CASA-10-16783
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	07/13/10	WG	Temperature	22.41	deg C	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Temperature	20.31	deg C	CASA-10-16783
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	07/13/10	WG	Turbidity	0.77	NTU	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Turbidity	1.55	NTU	CASA-10-16783
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-36	8431	766.9	07/12/10	WG	Dissolved Oxygen	4.82	mg/L	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Dissolved Oxygen	5.03	mg/L	CASA-10-16793
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	07/12/10	WG	Oxidation Reduction Potential	389.9	mV	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Oxidation Reduction Potential	767.8	mV	CASA-10-16793
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	07/12/10	WG	pH	7.05	SU	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	pH	7.22	SU	CASA-10-16793
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-36	8431	766.9	08/05/09	WG	pH	7.2	SU	CASA-09-10376
R-36	8431	766.9	07/12/10	WG	Specific Conductance	202	µS/cm	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Specific Conductance	176	µS/cm	CASA-10-16793
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	07/12/10	WG	Temperature	21.55	deg C	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Temperature	20.72	deg C	CASA-10-16793
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
R-36	8431	766.9	07/12/10	WG	Turbidity	1.01	NTU	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Turbidity	1.75	NTU	CASA-10-16793
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-43	8651	903.9	07/15/10	WG	Dissolved Oxygen	5.17	mg/L	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Dissolved Oxygen	6.09	mg/L	CASA-10-16795
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	07/15/10	WG	Oxidation Reduction Potential	125.3	mV	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Oxidation Reduction Potential	150.2	mV	CASA-10-16795
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	07/15/10	WG	pH	8.08	SU	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	pH	7.84	SU	CASA-10-16795



Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	07/15/10	WG	Specific Conductance	155	µS/cm	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Specific Conductance	173	µS/cm	CASA-10-16795
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	07/15/10	WG	Temperature	20.48	deg C	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Temperature	20.07	deg C	CASA-10-16795
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	07/15/10	WG	Turbidity	0.81	NTU	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Turbidity	1.71	NTU	CASA-10-16795
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	8661	969.1	07/15/10	WG	Dissolved Oxygen	1.81	mg/L	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Dissolved Oxygen	2.42	mg/L	CASA-10-16799
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	07/15/10	WG	Oxidation Reduction Potential	105.9	mV	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Oxidation Reduction Potential	164.2	mV	CASA-10-16799
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

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-43	8661	969.1	07/15/10	WG	pH	8.55	SU	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	pH	8.43	SU	CASA-10-16799
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	07/15/10	WG	Specific Conductance	121	μS/cm	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Specific Conductance	188	μS/cm	CASA-10-16799
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	07/15/10	WG	Temperature	20.48	deg C	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Temperature	19.13	deg C	CASA-10-16799
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	07/15/10	WG	Turbidity	0.45	NTU	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Turbidity	4.27	NTU	CASA-10-16799
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
Sandia below Wetlands	— <sup>f</sup>	—	07/12/10	WS <sup>g</sup>	Dissolved Oxygen	6.93	mg/L	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Dissolved Oxygen	8.1	mg/L	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Dissolved Oxygen	11.06	mg/L	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Dissolved Oxygen	9.37	mg/L	CASA-10-3595
Sandia below Wetlands	—	—	08/07/09	WS	Dissolved Oxygen	7	mg/L	CASA-09-10309
Sandia below Wetlands	—	—	07/12/10	WS	pH	7.83	SU	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	pH	7.95	SU	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	pH	7.47	SU	CASA-10-9412
Sandia below Wetlands	—	—	07/12/10	WS	Specific Conductance	584	μS/cm	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Specific Conductance	467	μS/cm	CASA-10-16688

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Sandia below Wetlands	—	—	01/29/10	WS	Specific Conductance	7645	µS/cm	CASA-10-9412
Sandia below Wetlands	—	—	07/12/10	WS	Temperature	19.48	deg C	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Temperature	4.52	deg C	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Temperature	6.63	deg C	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Temperature	10.05	deg C	CASA-10-3595
Sandia below Wetlands	—	—	08/07/09	WS	Temperature	18.44	deg C	CASA-09-10309
Sandia below Wetlands	—	—	07/12/10	WS	Turbidity	15.5	NTU	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Turbidity	9.14	NTU	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Turbidity	14.9	NTU	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Turbidity	8.53	NTU	CASA-10-3595
Sandia below Wetlands	—	—	05/05/09	WS	Turbidity	7.09	NTU	CASA-09-8234
Sandia right fork at Power Plant	—	—	07/12/10	WS	Dissolved Oxygen	7.37	mg/L	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Dissolved Oxygen	7.28	mg/L	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Dissolved Oxygen	8.62	mg/L	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Dissolved Oxygen	9.4	mg/L	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Dissolved Oxygen	6.63	mg/L	CASA-09-10304
Sandia right fork at Power Plant	—	—	07/12/10	WS	pH	8.18	SU	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	pH	8.13	SU	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	pH	7.71	SU	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	pH	7.14	SU	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	pH	8.24	SU	CASA-09-10304
Sandia right fork at Power Plant	—	—	07/12/10	WS	Specific Conductance	603	µS/cm	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Specific Conductance	468	µS/cm	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Specific Conductance	923	µS/cm	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Specific Conductance	507	µS/cm	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Specific Conductance	666	µS/cm	CASA-09-10304
Sandia right fork at Power Plant	—	—	07/12/10	WS	Temperature	22.21	deg C	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Temperature	17.39	deg C	CASA-10-16680

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Sandia right fork at Power Plant	—	—	02/01/10	WS	Temperature	10.83	deg C	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Temperature	15.46	deg C	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Temperature	22.73	deg C	CASA-09-10304
Sandia right fork at Power Plant	—	—	07/12/10	WS	Turbidity	2.25	NTU	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Turbidity	1.87	NTU	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Turbidity	4.96	NTU	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Turbidity	1.61	NTU	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Turbidity	1.58	NTU	CASA-09-10304
SCI-1	8211	358.4	07/12/10	WG	Dissolved Oxygen	8.85	mg/L	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Dissolved Oxygen	9	mg/L	CASA-10-16757
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	07/12/10	WG	Oxidation Reduction Potential	466.8	mV	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Oxidation Reduction Potential	219.9	mV	CASA-10-16757
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	07/12/10	WG	pH	6.85	SU	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	pH	7.25	SU	CASA-10-16757
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	07/12/10	WG	Specific Conductance	736	µS/cm	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Specific Conductance	596	µS/cm	CASA-10-16757
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCI-1	8211	358.4	07/12/10	WG	Temperature	10.87	deg C	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Temperature	10.61	deg C	CASA-10-16757
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
SCI-1	8211	358.4	08/03/09	WG	Temperature	10.95	deg C	CASA-09-10350
SCI-1	8211	358.4	07/12/10	WG	Turbidity	0.95	NTU	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Turbidity	3.15	NTU	CASA-10-16757
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-2	8601	548	07/15/10	WG	Dissolved Oxygen	7.87	mg/L	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Dissolved Oxygen	8.25	mg/L	CASA-10-16763
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	07/15/10	WG	Oxidation Reduction Potential	506.3	mV	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Oxidation Reduction Potential	244.8	mV	CASA-10-16763
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	07/15/10	WG	pH	7.06	SU	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	pH	7.32	SU	CASA-10-16763
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	07/15/10	WG	Specific Conductance	597	μS/cm	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Specific Conductance	590	μS/cm	CASA-10-16763
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCI-2	8601	548	07/15/10	WG	Temperature	15.33	deg C	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Temperature	14.75	deg C	CASA-10-16763
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	07/15/10	WG	Turbidity	3.38	NTU	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Turbidity	3.76	NTU	CASA-10-16763
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
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Dissolved Oxygen	6.61	mg/L	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Dissolved Oxygen	8.3	mg/L	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Dissolved Oxygen	7.85	mg/L	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Dissolved Oxygen	7.85	mg/L	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Dissolved Oxygen	7.9	mg/L	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Dissolved Oxygen	6.84	mg/L	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	pH	8.39	SU	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	pH	8.71	SU	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	pH	7.75	SU	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	pH	7.75	SU	CASA-10-9406

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	pH	8.13	SU	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Specific Conductance	483	μS/cm	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Specific Conductance	529	μS/cm	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Specific Conductance	826	μS/cm	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Specific Conductance	826	μS/cm	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Specific Conductance	445	μS/cm	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Temperature	22.53	deg C	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Temperature	19.75	deg C	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Temperature	8.67	deg C	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Temperature	8.67	deg C	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Temperature	15.45	deg C	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Temperature	22.56	deg C	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Turbidity	1.93	NTU	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Turbidity	4.28	NTU	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Turbidity	6.62	NTU	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Turbidity	6.62	NTU	CASA-10-9406

**Table A-2 (continued)**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Turbidity	3.07	NTU	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Turbidity	3.16	NTU	CASA-09-10313

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

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

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

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

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

<sup>f</sup> — = 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 Chemical Results, Including Results from  
Previous Four Monitoring Events if Available*



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

%	percent
<	Based on qualifiers, the result was a nondetection.
—	none
*	(Inorganic) Duplicate analysis (relative percent difference) not within control limits
ARSL	American Radiation Services–Primary
B	(Organic) This analyte was present in the blank and the sample. (Inorganic) The reported value was obtained from a reading that was less than the contract-required detection limit but greater than or equal to the instrument detection limit.
CS	client sample
DL	dilution
DNX	dinitroso RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DUP	duplicate sample
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
EPA	U.S. Environmental Protection Agency
EQB	equipment rinsate blank
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
F	filtered
FB	field blank
FD	field duplicate
FTB	field trip blank
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
Geninorg	general inorganics
H	(Organic/Inorganic) The required extraction or analysis holding time for this result was exceeded.
Hexp, HEXP	high explosives
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
J	(Inorganic) The associated numerical value is an estimated quantity. (Organic) The associated numerical value is an estimated quantity.
J-	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
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.
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.
LLEE	low-level electrolytic extraction
MDA	minimum detectable activity

MDL	method detection limit
MNX	mononitrosodimethylamine
N	(Inorganic) Spiked sample recovery was not within control limits.
NJ	(Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PARA	Paragon Analytics, Inc.
QC	quality control
R	The reported sample result is classified as rejected because of serious noncompliances regarding QC acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
Rad, RAD	radionuclides
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RE	reanalysis
REDP	reanalysis duplicate
SSC	suspended sediment concentration
STR	Severn Trent Laboratories, Richland, WA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SU	standard unit
Svoa	semivolatile organic analysis
TNX	trinitroso-RDX
TPU	total propagated uncertainty
TRP	triplicate
U	The analyte is classified as not detected
UF	unfiltered
UI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UIL	University of Illinois
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.
UMTL	University of Miami Tritium Laboratory
UN	Recovery not within control limits.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
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
MCOI-5	5721	689	1/25/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.4	—	—	—	%	—	—	10-3591	CAMO-10-9737	UIL
MCOI-5	5721	689	11/3/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.06	—	—	—	%	—	—	10-1028	CAMO-10-3898	UIL
MCOI-5	5721	689	8/6/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.5	—	—	—	%	—	—	09-3060	CAMO-09-9531	UIL
MCOI-5	5721	689	5/4/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.08	—	—	—	%	—	—	09-1857	CAMO-09-8162	UIL
MCOI-5	5721	689	11/11/2008	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.16	—	—	—	%	—	—	09-324	CAMO-09-781	UIL
R-1	1701	1031.1	2/11/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.53	—	—	—	%	—	—	10-3591	CAMO-10-9733	UIL
R-1	1701	1031.1	11/16/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.47	—	—	—	%	—	—	10-1026	CAMO-10-3899	UIL
R-1	1701	1031.1	5/20/2008	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.17	—	—	1.00E-01	%	—	—	08-1271	CAMO-08-12742	UIL
R-1	1701	1031.1	2/22/2008	WG	F	CS	FD	Isotope	SW-846:6020	Chromium-53/52	—	1.13	—	—	—	%	—	—	08-690	CAMO-08-10455	UIL
R-1	1701	1031.1	2/22/2008	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.22	—	—	—	%	—	—	08-690	CAMO-08-10453	UIL
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.985	—	—	7.30E-01	mg/L	J	J	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.86	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
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	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	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.9	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.1	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.5	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	10-1807	CAMO-10-9348	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	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9564	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.306	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.1	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9350	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	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	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	3.50E-01	mg/L	—	—	09-1845	CAMO-09-8189	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	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9348	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	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9564	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	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.565	—	—	5.00E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.431	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
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	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	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	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.297	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9348	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	—	Geninorg	SW-846:6850	Perchlorate	—	0.304	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	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-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.53	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.49	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9348	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	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:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J-	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9348	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	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	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-1845	CAMO-09-8190	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.85	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.77	—	—	1.00E-01	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	150	—	—	6.80E+01	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	182	—	—	6.80E+01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	142	—	—	6.80E+01	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	72.1	—	—	6.80E+01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.2	—	—	1.50E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.75	—	—	1.50E+00	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.3	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.1	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.3	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.76	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	2.50E+00	ug/L	J	J	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.88	—	—	1.50E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.98	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.16	—	—	2.50E+00	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.95	—	—	1.50E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	96.7	—	—	3.00E+01	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	115	—	—	3.00E+01	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	132	—	—	3.00E+01	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.2	—	—	2.50E+01	ug/L	J	J	09-1845	CAMO-09-8189	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.48	—	—	2.00E+00	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.05	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9350	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	—	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.529	—	—	5.00E-01	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.809	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.534	—	—	5.00E-01	ug/L	—	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.525	—	—	5.00E-01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.3	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.3	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.2	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.1	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.372	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.505	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.381	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.507	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.98	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.02	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.98	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	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	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	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	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.44	—	—	3.30E+00	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.27	—	—	3.30E+00	ug/L	J	J	10-1807	CAMO-10-9350	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	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	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

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-42	8591	931.8	2/10/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.21	—	—	—	%	—	—	10-3591	CAMO-10-9739	UIL
R-42	8591	931.8	11/5/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.19	—	—	—	%	—	—	10-1028	CAMO-10-3900	UIL
R-42	8591	931.8	8/14/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	0.96	—	—	—	%	—	—	09-3060	CAMO-09-9570	UIL
R-42	8591	931.8	5/11/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.07	—	—	—	%	—	—	09-1857	CAMO-09-8210	UIL
R-42	8591	931.8	2/20/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.06	—	—	—	%	—	—	09-1114	CAMO-09-2871	UIL
R-42	8591	931.8	11/20/2008	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.06	—	—	—	%	—	—	09-380	CAMO-09-826	UIL
R-42	8591	931.8	10/9/2008	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.05	—	—	—	%	—	—	09-100	CAMO-08-16441	UIL
R-44	8671	895	2/10/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.28	—	—	—	%	—	—	10-3591	CAMO-10-9738	UIL
R-44	8671	895	11/13/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.2	—	—	—	%	—	—	10-1026	CAMO-10-4774	UIL
R-44	8671	895	8/17/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.18	—	—	—	%	—	—	09-3060	CAMO-09-9919	UIL
R-44	8681	985.3	2/10/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.29	—	—	—	%	—	—	10-3591	CAMO-10-9736	UIL
R-44	8681	985.3	11/13/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.23	—	—	—	%	—	—	10-1026	CAMO-10-4772	UIL
R-44	8681	985.3	8/17/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.13	—	—	—	%	—	—	09-3060	CAMO-09-9925	UIL
R-45	8721	880	1/27/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.26	—	—	—	%	—	—	10-3591	CAMO-10-9734	UIL
R-45	8721	880	11/16/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.31	—	—	—	%	—	—	10-1025	CAMO-10-4769	UIL
R-45	8721	880	8/19/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.29	—	—	—	%	—	—	09-3060	CAMO-09-10252	UIL
R-45	8731	974.9	1/27/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.49	—	—	—	%	—	—	10-3591	CAMO-10-9735	UIL
R-45	8731	974.9	11/16/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.58	—	—	—	%	—	—	10-1025	CAMO-10-4771	UIL
R-45	8731	974.9	8/19/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.65	—	—	—	%	—	—	09-3060	CAMO-09-10255	UIL
R-50	9021	1077	5/27/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.09	—	—	—	%	—	—	10-3593	CAMO-10-17421	UIL
R-50	9021	1077	5/27/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.07971	1.98E+00	3.13E+00	—	pCi/L	—	—	10-3291	CAMO-10-17420	ARSL
R-50	9021	1077	3/6/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	16.02886	5.43E-01	2.87E-01	—	pCi/L	—	—	10-2385	CAMO-10-13852	UMTL
R-50	9011	1185	5/27/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.88	—	—	—	%	—	—	10-3593	CAMO-10-18980	UIL
R-50	9011	1185	5/27/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.67053	5.11E-01	1.76E+00	—	pCi/L	U	U	10-3291	CAMO-10-18979	ARSL



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	5/5/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.265	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.29	—	—	3.30E-02	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.4	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.7	—	—	3.50E-01	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67	—	—	3.50E-01	mg/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.26	—	—	8.50E-02	mg/L	E	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	E	—	10-1780	CASA-10-9475	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
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	5/5/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.55	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	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

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	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.459	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.84	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1780	CASA-10-9473	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
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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.48	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.52	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.07	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.40E+00	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.53	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	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	—	Metals	SW-846:6020	Arsenic	<	4.07	—	—	1.50E+00	ug/L	J	U	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-891	CASA-09-2785	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.64	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	3.37	—	—	1.50E+00	ug/L	J	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.8	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.1	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.3	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.4	—	—	1.00E+01	ug/L	J	J	09-891	CASA-09-2785	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	ug/L	J	J	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.33	—	—	2.50E+00	ug/L	J	J	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.69	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.76	—	—	2.50E+00	ug/L	J	J	10-1780	CASA-10-9475	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	34.5	—	—	3.00E+01	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.05	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	10-1780	CASA-10-9475	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	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.13	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.84	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.811	—	—	5.00E-01	ug/L	J	J	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.751	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.7	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.5	—	—	5.30E-02	mg/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9473	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	11/15/2007	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-193	CASA-08-7346	GELC
R-10	6381	874	11/15/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-193	CASA-08-7348	GELC
R-10	6381	874	8/15/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	191714	GF07080GR10101	GELC
R-10	6381	874	6/19/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	188307	GF07060GR10101	GELC
R-10	6381	874	2/21/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	181329	GF07020GR10101	GELC
R-10	6381	874	10/12/2006	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	174120	GF06100GR10101	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	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	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.6	—	—	3.30E+00	ug/L	—	—	10-1780	CASA-10-9473	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.8	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.9	—	—	3.30E+00	ug/L	—	—	10-1780	CASA-10-9475	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
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	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.7	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.2	—	—	7.30E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.4	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.08	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.08	—	—	6.60E-02	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.258	—	—	3.30E-02	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.7	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.8	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16771	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	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.9	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.63	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9479	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	6/29/2006	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.28	—	—	8.50E-02	mg/L	—	—	166360	GU06060GR10202	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.478	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.502	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.73	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.69	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9479	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

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	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	202	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.83	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.73	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-1777	CASA-10-9480	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
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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.55	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+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	Arsenic	—	1.74	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.1	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.61	—	—	1.50E+00	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+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	Arsenic	—	2.58	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.2	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.5	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.2	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.9	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.1	—	—	1.00E+01	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.1	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+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	Boron	—	31.9	—	—	1.00E+01	ug/L	J	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.38	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.88	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9480	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

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	—	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	—	2.47	—	—	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	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.81	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	33.8	—	—	3.00E+01	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	49.2	—	—	3.00E+01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1840	CASA-09-8271	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.03	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.06	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.738	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.563	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.778	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.532	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	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

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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.18	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.59	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.7	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.6	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9480	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.8	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.4	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
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	5/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	2.13931	6.71E-01	1.92E+00	—	pCi/L	—	—	10-3122	CASA-10-16771	ARSL
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1778	CASA-10-9479	UMTL
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	5/5/2010	WG	UF	CS	FTB	Voa	SW-846:8260B	Methylene Chloride	—	3.06	—	—	3.00E+00	ug/L	J	J	10-3068	CASA-10-16770	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-1776	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-451	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-3333	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	UJ	09-1839	CASA-09-8270	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.6	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91	—	—	7.30E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0684	—	—	6.60E-02	mg/L	J	J	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.106	—	—	6.60E-02	mg/L	J	J	10-1777	CASA-10-9458	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

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	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.9	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.9	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.9	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.93	—	—	6.60E-02	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.401	—	—	3.30E-02	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.1	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9458	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
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	5/5/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.5	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.82	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.33	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.21	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	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

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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.776	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.827	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.29	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.1	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.12	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	245	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9458	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
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.88	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.93	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.69	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1777	CASA-10-9458	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

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	—	Metals	SW-846:6020	Arsenic	—	1.83	—	—	1.50E+00	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.93	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	76.4	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	81.4	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	82	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1777	CASA-10-9458	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
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.56	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.71	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.76	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.67	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.29	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.46	—	—	5.00E-01	ug/L	—	U	10-446	CASA-10-3712	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	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	5.00E-01	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.917	—	—	5.00E-01	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.52	—	—	5.00E-01	ug/L	—	U	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.982	—	—	5.00E-01	ug/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.5	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.7	—	—	5.30E-02	mg/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	204	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.83	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.13	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.63	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.52	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.97	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	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	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.5	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.9	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9458	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	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.9	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.4	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9456	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	11/10/2009	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	5/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.28737	5.75E-01	1.88E+00	—	pCi/L	U	U	10-3122	CASA-10-16773	ARSL
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.3193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1778	CASA-10-9456	UMTL
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-11	5531	855	5/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	3.99125	9.26E-01	2.20E+00	—	pCi/L	—	—	10-3122	CASA-10-16778	ARSL
R-11	5531	855	1/29/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.24669	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1599	CASA-10-9459	UMTL
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-12	8401	459	5/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	64.30702	9.71E+00	1.72E+00	—	pCi/L	—	—	10-3122	CASA-10-16747	ARSL
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.0776	2.55E+00	2.87E-01	—	pCi/L	—	—	10-1775	CASA-10-9446	UMTL
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	8411	504.5	5/17/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	40.71075	6.19E+00	1.72E+00	—	pCi/L	—	—	10-3221	CASA-10-16749	ARSL
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	53.0038	1.92E+00	2.87E-01	—	pCi/L	—	—	10-1775	CASA-10-9447	UMTL
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-35a	8331	1013.1	2/11/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.1	—	—	—	%	—	—	10-3592	CASA-10-9846	UIL
R-35a	8331	1013.1	11/4/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.25	—	—	—	%	—	—	10-1027	CASA-10-3895	UIL
R-35a	8331	1013.1	8/3/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.32	—	—	—	%	—	—	09-3059	CASA-09-10390	UIL
R-35a	8331	1013.1	4/28/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.37	—	—	—	%	—	—	09-1858	CASA-09-8304	UIL
R-35a	8331	1013.1	2/4/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.02	—	—	—	%	—	—	09-1115	CASA-09-3014	UIL
R-35a	8331	1013.1	5/14/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	4.47E-01	1.56E+00	—	pCi/L	U	U	10-3221	CASA-10-16779	ARSL
R-35a	8331	1013.1	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9464	UMTL
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-35b	8351	825.4	5/12/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.15965	5.11E-01	1.66E+00	—	pCi/L	U	U	10-3221	CASA-10-16790	ARSL
R-35b	8351	825.4	5/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	5.11E-01	1.63E+00	—	pCi/L	U	U	10-3221	CASA-10-16783	ARSL
R-35b	8351	825.4	2/11/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9470	UMTL
R-35b	8351	825.4	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9469	UMTL
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-36	8431	766.9	5/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.96358	2.08E+00	1.79E+00	—	pCi/L	—	—	10-3221	CASA-10-16793	ARSL
R-36	8431	766.9	2/4/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.61519	6.39E-01	2.87E-01	—	pCi/L	—	—	10-1658	CASA-10-9493	UMTL
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-43	8651	903.9	2/2/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.11	—	—	—	%	—	—	10-3592	CASA-10-9842	UIL

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-43	8651	903.9	11/19/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.36	—	—	—	%	—	—	10-1027	CASA-10-4776	UIL
R-43	8651	903.9	8/18/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.22	—	—	—	%	—	—	09-3059	CASA-09-10396	UIL
R-43	8651	903.9	6/19/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.41	—	—	—	%	—	—	09-2847	CAMO-09-10504	UIL
R-43	8651	903.9	6/19/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.44	—	—	—	%	—	—	09-2847	CAMO-09-10502	UIL
R-43	8651	903.9	5/10/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.43685	5.43E-01	1.63E+00	—	pCi/L	U	U	10-3122	CASA-10-16795	ARSL
R-43	8651	903.9	2/2/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9484	UMTL
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	8661	969.1	2/2/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.12	—	—	—	%	—	—	10-3592	CASA-10-9845	UIL
R-43	8661	969.1	8/18/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.58	—	—	—	%	—	—	09-3059	CASA-09-10401	UIL
R-43	8661	969.1	6/18/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.41	—	—	—	%	—	—	09-2847	CAMO-09-10509	UIL
R-43	8661	969.1	6/18/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.43	—	—	—	%	—	—	09-2847	CAMO-09-10512	UIL
R-43	8661	969.1	5/10/2010	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	-0.187	1.20E-01	5.00E-01	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	2/2/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0611	1.20E-01	4.40E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0985	1.30E-01	4.70E-01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	8/18/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0593	8.20E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	6/18/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0498	1.20E-01	4.60E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	5/10/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	3.76774	8.62E-01	2.08E+00	—	pCi/L	—	—	10-3122	CASA-10-16799	ARSL
R-43	8661	969.1	2/2/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9486	UMTL
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
SCA-1-DP	8751	2.16	11/2/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	0.77	—	—	—	%	—	—	10-1027	CASA-10-4959	UIL
SCA-1-DP	8751	2.16	2/20/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	0.14	—	—	—	%	—	—	09-1115	CASA-09-2858	UIL
SCI-1	8211	358.4	5/7/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	68.6495	1.04E+01	1.82E+00	—	pCi/L	—	—	10-3122	CASA-10-16757	ARSL
SCI-1	8211	358.4	2/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	83.3373	2.87E+00	2.87E-01	—	pCi/L	—	—	10-1680	CASA-10-9452	UMTL
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-2	8601	548	2/8/2010	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.15	—	—	—	%	—	—	10-3592	CASA-10-12690	UIL
SCI-2	8601	548	11/17/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.1	—	—	—	%	—	—	10-1027	CASA-10-3894	UIL
SCI-2	8601	548	8/4/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.1	—	—	—	%	—	—	09-3059	CASA-09-10368	UIL
SCI-2	8601	548	5/6/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.06	—	—	—	%	—	—	09-1858	CASA-09-8315	UIL
SCI-2	8601	548	2/13/2009	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.22	—	—	—	%	—	—	09-1115	CASA-09-2991	UIL
SCI-2	8601	548	5/6/2010	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	0.303	1.50E-01	4.90E-01	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	2/8/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0364	1.10E-01	4.20E-01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00923	1.30E-01	4.80E-01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	8/4/2009	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.032	1.20E-01	4.10E-01	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	8/4/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.378	1.30E-01	4.20E-01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	5/6/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.325	1.40E-01	4.60E-01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	5/6/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	505.1352	7.88E+01	2.30E+02	—	pCi/L	—	—	10-3122	CASA-10-16763	ARSL
SCI-2	8601	548	2/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	472.564	1.60E+01	2.87E-01	—	pCi/L	—	—	10-1697	CASA-10-9489	UMTL
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
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.62	—	—	—	%	—	—	10-3592	CASA-10-9841	UIL

**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
South Fork of Sandia Canyon at E122	—	—	11/20/2009	WS	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.28	—	—	—	%	—	—	10-1030	CASA-10-3891	UIL
South Fork of Sandia Canyon at E122	—	—	5/21/2008	WS	F	CS	FD	Isotope	SW-846:6020	Chromium-53/52	—	1.43	—	—	1.00E-01	%	—	—	08-1268	CASA-08-12817	UIL
South Fork of Sandia Canyon at E122	—	—	5/21/2008	WS	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.34	—	—	1.00E-01	%	—	—	08-1268	CASA-08-12815	UIL

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
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.8	—	—	7.30E-01	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	17.3	—	—	7.30E-01	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.7	—	—	7.30E-01	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	23.2	—	—	7.30E-01	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.154	—	—	1.60E-02	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.053	—	—	1.60E-02	mg/L	—	U	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.049	—	—	3.00E-02	mg/L	J	J-	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.048	—	—	3.00E-02	mg/L	J	U	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.071	—	—	3.00E-02	mg/L	—	J-	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	4.26	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	4.22	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	113	—	—	3.00E-02	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	4.91	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	121	—	—	3.00E-02	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	5.32	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.32	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	111	—	—	3.00E-02	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.48	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	129	—	—	3.00E-02	mg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	45.4	—	—	3.30E-01	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.9	—	—	6.60E-02	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1020	—	—	6.60E+00	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	82.2	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1360	—	—	1.30E+01	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.259	—	—	3.30E-02	mg/L	—	J-	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.304	—	—	3.30E-02	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.096	—	—	3.30E-02	mg/L	J	J	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.314	—	—	3.30E-02	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.074	—	—	3.30E-02	mg/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	13.3	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	12.9	—	—	3.50E-01	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	344	—	—	3.50E-01	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	19.1	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	368	—	—	4.30E-01	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	16.6	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	19.3	—	—	3.50E-01	mg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	340	—	—	3.50E-01	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	30	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	391	—	—	4.30E-01	mg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.653	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.564	—	—	8.50E-02	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15	—	—	8.50E-02	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.67	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.8	—	—	8.50E-02	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.809	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.85	—	—	8.50E-02	mg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.1	—	—	8.50E-02	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.15	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14416	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
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	16.8	—	—	8.50E-02	mg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	26.2	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.7	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	75.5	—	—	5.00E-01	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.9	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	103	—	—	5.00E-02	mg/L	—	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	25.1	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	78.6	—	—	5.00E-01	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.4	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	106	—	—	5.00E-02	mg/L	—	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	78.1	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	44.9	—	—	1.00E-01	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	519	—	—	4.50E-01	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	86	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	786	—	—	2.30E-01	mg/L	—	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	74.5	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	44.7	—	—	1.00E-01	mg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	539	—	—	4.50E-01	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.8	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	863	—	—	2.30E-01	mg/L	—	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	420	—	—	1.00E+00	uS/cm	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	229	—	—	1.00E+00	uS/cm	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	3570	—	—	1.00E+00	uS/cm	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	500	—	—	1.00E+00	uS/cm	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	4660	—	—	1.00E+00	uS/cm	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.2	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.29	—	—	1.00E-01	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24.5	—	—	1.00E-01	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.21	—	—	1.00E-01	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18	—	—	1.00E-01	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	2.30E+00	mg/L	J	J	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	12.5	—	—	2.90E+00	mg/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	13.5	—	—	1.60E+00	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	5.4	—	—	1.10E+00	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	20.8	—	—	1.20E+00	mg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	447	—	—	2.40E+00	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	329	—	—	2.40E+00	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	1970	—	—	2.40E+00	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	440	—	—	2.40E+00	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	2670	—	—	2.40E+00	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.9	—	—	3.30E+00	mg/L	—	—	10-3631	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.7	—	—	1.70E+00	mg/L	—	—	09-2907	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.43	—	—	3.30E-01	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.4	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.7	—	—	3.30E-01	mg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.06	—	—	1.00E-02	SU	H	J-	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	1.00E-02	SU	H	J-	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.97	—	—	1.00E-02	SU	H	J-	09-893	CAMO-09-2378	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
M-1W	—	—	08/13/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	13400	—	—	6.80E+01	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	911	—	—	6.80E+01	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	10300	—	—	6.80E+01	ug/L	N	J+	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	507	—	—	6.80E+01	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	4530	—	—	6.80E+01	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1350	—	—	6.80E+01	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	423	—	—	6.80E+01	ug/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	10600	—	—	6.80E+01	ug/L	N	J+	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2360	—	—	6.80E+01	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Antimony	—	1.11	—	—	5.00E-01	ug/L	J	J	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	0.935	—	—	5.00E-01	ug/L	J	U	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	1.7	—	—	5.00E-01	ug/L	J	U	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	0.63	—	—	5.00E-01	ug/L	J	U	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.988	—	—	5.00E-01	ug/L	J	J	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.824	—	—	5.00E-01	ug/L	J	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2.1	—	—	5.00E-01	ug/L	—	U	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.77	—	—	1.50E+00	ug/L	J	J	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.79	—	—	1.50E+00	ug/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.05	—	—	1.50E+00	ug/L	J	J	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.71	—	—	1.50E+00	ug/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.1	—	—	1.50E+00	ug/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	65.9	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	69.4	—	—	1.00E+00	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	1170	—	—	1.00E+00	ug/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	75.9	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	1170	—	—	1.00E+00	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	109	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	115	—	—	1.00E+00	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	1170	—	—	1.00E+00	ug/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	166	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	1190	—	—	1.00E+00	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.16	—	—	1.00E+00	ug/L	J	J	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.15	—	—	1.00E+00	ug/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-893	CAMO-09-2379	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
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.9	—	—	1.00E+00	ug/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	51.5	—	—	1.50E+01	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	28	—	—	1.50E+01	ug/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	25.7	—	—	1.00E+01	ug/L	J	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	44.5	—	—	1.00E+01	ug/L	J	J	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	27.7	—	—	1.00E+01	ug/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	51.4	—	—	1.50E+01	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	33	—	—	1.50E+01	ug/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	23.9	—	—	1.00E+01	ug/L	J	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	44	—	—	1.00E+01	ug/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.00E+01	ug/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.118	—	—	1.10E-01	ug/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.58	—	—	1.10E-01	ug/L	J	J	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	1.4	—	—	1.10E-01	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.209	—	—	1.10E-01	ug/L	J	J	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.173	—	—	1.10E-01	ug/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.57	—	—	1.10E-01	ug/L	J	J	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.3	—	—	1.10E-01	ug/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	1.7	—	—	1.10E-01	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.73	—	—	2.50E+00	ug/L	J	J	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.12	—	—	2.50E+00	ug/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	9.8	—	—	1.50E+00	ug/L	—	J	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	2.50E+00	ug/L	J	J	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.02	—	—	2.50E+00	ug/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	33.1	—	—	1.50E+00	ug/L	—	J	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	15.6	—	—	3.00E+00	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	11.7	—	—	3.00E+00	ug/L	—	U	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	17.7	—	—	3.00E+00	ug/L	—	U	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.7	—	—	3.00E+00	ug/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	25.5	—	—	3.00E+00	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	17.2	—	—	3.00E+00	ug/L	—	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	32.7	—	—	3.00E+00	ug/L	—	J	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.7	—	—	3.00E+00	ug/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	741	—	—	3.00E+01	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	951	—	—	3.00E+01	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	6130	—	—	2.50E+01	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	304	—	—	2.50E+01	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1090	—	—	3.00E+01	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1430	—	—	3.00E+01	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	217	—	—	2.50E+01	ug/L	—	—	09-893	CAMO-09-2379	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
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	6580	—	—	2.50E+01	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1420	—	—	2.50E+01	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	5.15	—	—	5.00E-01	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Lead	—	10.9	—	—	5.00E-01	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	6.5	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	13.2	—	—	5.00E-01	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	20.9	—	—	5.00E-01	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	35.1	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.6	—	—	5.00E-01	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	20.3	—	—	2.00E+00	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.6	—	—	2.00E+00	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	13.4	—	—	2.00E+00	ug/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	31.1	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	70.2	—	—	2.00E+00	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	46.2	—	—	2.00E+00	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	64.2	—	—	2.00E+00	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	16.6	—	—	2.00E+00	ug/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	60.4	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	94.9	—	—	2.00E+00	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	78.5	—	—	1.00E-01	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	43.9	—	—	1.00E-01	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	ug/L	—	J	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	104	—	—	1.00E-01	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	51.7	—	—	2.00E+00	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	67.2	—	—	1.00E-01	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	38.4	—	—	1.00E-01	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	ug/L	—	J	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	113	—	—	1.00E-01	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	33	—	—	2.00E+00	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.51	—	—	5.00E-01	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.9	—	—	5.00E-01	ug/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.5	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	ug/L	—	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.23	—	—	5.00E-01	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.9	—	—	5.00E-01	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.3	—	—	5.00E-01	ug/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.6	—	—	5.00E-01	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.8	—	—	5.00E-01	ug/L	—	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	32.6	—	—	5.30E-02	mg/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	28.6	—	—	5.30E-02	mg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	26.7	—	—	3.20E-02	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	3.20E-02	mg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	14.5	—	—	3.20E-02	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	22.3	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	20.5	—	—	1.00E+00	ug/L	—	—	09-2908	CAMO-09-9438	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
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	553	—	—	1.00E+00	ug/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	24.4	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	642	—	—	1.00E+00	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	28.6	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	32.1	—	—	1.00E+00	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	546	—	—	1.00E+00	ug/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.5	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	688	—	—	1.00E+00	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.553	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.534	—	—	5.00E-02	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.052	—	—	5.00E-02	ug/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.745	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.764	—	—	5.00E-02	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.11	—	—	5.00E-02	ug/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.39	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.95	—	—	1.00E+00	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	21.6	—	—	1.00E+00	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.4	—	—	1.00E+00	ug/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	—	—	07/09/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	46.1	—	—	3.30E+00	ug/L	—	—	10-3632	CAMO-10-22759	GELC
M-1W	—	—	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	75.3	—	—	3.30E+00	ug/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	148	—	—	2.00E+00	ug/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	70.6	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	—	—	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	245	—	—	2.00E+00	ug/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	105	—	—	3.30E+00	ug/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	137	—	—	3.30E+00	ug/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	152	—	—	2.00E+00	ug/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	209	—	—	2.00E+00	ug/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	—	—	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	275	—	—	2.00E+00	ug/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0122	2.20E-03	2.90E-02	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00501	1.37E-03	4.18E-02	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.000107	1.79E-03	4.25E-02	—	pCi/L	U	U, J+	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0169	2.90E-03	4.50E-02	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.012	2.80E-03	3.20E-02	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00388	5.33E-03	3.30E-02	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00953	3.80E-03	4.59E-02	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0172	2.84E-03	3.47E-02	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1	5.00E-01	5.00E+00	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.05	6.97E-01	6.21E+00	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.835	4.47E-01	4.81E+00	—	pCi/L	U	U	166077	GF060600PW1M01	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
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.11	5.67E-01	6.20E+00	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.145	5.33E-01	5.10E+00	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.652	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.528	4.73E-01	4.70E+00	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.254	4.53E-01	5.08E+00	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.212	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.00669	5.87E-01	4.90E+00	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.644	4.73E-01	5.78E+00	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00472	5.67E-01	5.60E+00	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.608	5.67E-01	5.40E+00	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.09	5.00E-01	5.40E+00	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.458	4.10E-01	4.16E+00	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.69	5.03E-01	5.34E+00	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:900	Gross alpha	—	3.59	3.37E-01	2.08E+00	—	pCi/L	—	J	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0522	1.73E-01	1.86E+00	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	09/08/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	1.62	2.76E-01	3.01E+00	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.02	5.67E-01	2.40E+00	—	pCi/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	11.4	5.67E-01	2.90E+00	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	12.5	8.30E-01	3.66E+00	—	pCi/L	—	—	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.45	4.10E-01	2.73E+00	—	pCi/L	—	J	166077	GU060600PW1M01	GELC
M-1W	—	—	09/08/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.47	2.34E-01	1.65E+00	—	pCi/L	—	J	145195	GU05090PW1M01	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	7.69	5.50E-01	4.13E+00	—	pCi/L	—	J	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:900	Gross beta	—	10.8	2.87E-01	2.40E+00	—	pCi/L	—	—	166077	GF060600PW1M01	GELC
M-1W	—	—	09/08/05	WS	F	CS	—	Rad	EPA:900	Gross beta	<	3.11	2.98E-01	3.34E+00	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	27.1	9.67E-01	2.90E+00	—	pCi/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	16.9	8.67E-01	4.00E+00	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	19.8	1.29E+00	9.51E+00	—	pCi/L	—	J	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	23.2	6.70E-01	6.02E+00	—	pCi/L	—	—	166077	GU060600PW1M01	GELC
M-1W	—	—	09/08/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	8.58	3.30E-01	3.12E+00	—	pCi/L	—	J	145195	GU05090PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	8.81	2.73E+00	1.40E+01	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	77.3	2.02E+01	2.42E+02	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	94.7	3.31E+01	3.57E+02	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.44	5.00E-01	1.40E+01	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18	1.00E+01	4.40E+01	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	0.374	8.00E-01	1.30E+01	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	72.1	1.55E+01	2.07E+02	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	151	3.50E+01	3.79E+02	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.77	2.90E+00	2.90E+01	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	16	4.03E+00	3.87E+01	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.82	3.43E+00	3.53E+01	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.86	1.07E+00	9.90E+00	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.646	3.33E+00	3.40E+01	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.7	4.00E+00	3.40E+01	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.82	3.18E+00	3.19E+01	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.89	4.13E+00	4.10E+01	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0208	2.77E-03	2.70E-02	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0167	1.88E-03	3.57E-02	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0249	4.40E-03	2.39E-02	—	pCi/L	—	J	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0282	3.33E-03	4.70E-02	—	pCi/L	U	U	10-3632	CAMO-10-22761	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
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.117	5.00E-03	2.60E-02	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0624	4.67E-03	2.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.119	5.27E-03	3.30E-02	—	pCi/L	—	—	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.044	5.20E-03	2.64E-02	—	pCi/L	—	J	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0114	2.37E-03	3.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0149	2.16E-03	3.27E-02	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0199	3.32E-03	2.78E-02	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00352	4.33E-03	4.80E-02	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.028	2.43E-03	3.20E-02	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0136	2.83E-03	3.30E-02	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0704	4.13E-03	3.03E-02	—	pCi/L	—	J	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0275	4.30E-03	3.08E-02	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	28.3	6.33E+00	7.30E+01	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	55.3	6.80E+00	7.95E+01	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	63.2	6.10E+00	6.36E+01	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	67.4	7.00E+00	8.60E+01	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.4	7.33E+00	5.50E+01	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.51	7.67E+00	4.90E+01	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.4	6.43E+00	3.96E+01	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	68.6	7.97E+00	1.04E+02	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.964	4.33E-01	3.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.57	6.00E-01	6.35E+00	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.31	4.40E-01	5.66E+00	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.51	5.67E-01	5.00E+00	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.23	4.33E-01	4.60E+00	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.64	4.33E-01	5.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.611	5.23E-01	4.12E+00	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.9	4.73E-01	6.40E+00	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.138	4.67E-02	4.90E-01	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0271	3.20E-02	3.38E-01	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0992	2.01E-02	2.36E-01	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0913	3.17E-02	4.20E-01	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0849	4.67E-02	4.90E-01	—	pCi/L	U	U	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.168	4.67E-02	4.80E-01	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.075	3.43E-02	3.86E-01	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.015	2.63E-02	3.66E-01	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.189	8.33E-03	7.00E-02	—	pCi/L	—	—	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.198	1.07E-02	5.16E-02	—	pCi/L	—	—	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0799	4.83E-03	5.05E-02	—	pCi/L	—	J	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.325	1.47E-02	9.30E-02	—	pCi/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.365	1.33E-02	8.10E-02	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.373	1.17E-02	6.90E-02	—	pCi/L	—	—	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.509	1.89E-02	4.90E-02	—	pCi/L	—	—	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.187	7.97E-03	4.82E-02	—	pCi/L	—	—	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00507	2.67E-03	3.80E-02	—	pCi/L	U	U	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.005	3.40E-03	4.40E-02	—	pCi/L	U	U	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00299	2.23E-03	4.26E-02	—	pCi/L	U	U	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0268	5.67E-03	5.60E-02	—	pCi/L	U	U	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0205	3.27E-03	4.60E-02	—	pCi/L	U	U	09-2908	CAMO-09-9440	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
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0271	3.23E-03	3.70E-02	—	pCi/L	U	U	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00235	2.68E-03	4.18E-02	—	pCi/L	U	U	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00856	2.13E-03	4.06E-02	—	pCi/L	U	U	166077	GU060600PW1M01	GELC
M-1W	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.197	7.67E-03	3.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14415	GELC
M-1W	—	—	08/20/07	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.146	9.47E-03	6.89E-02	—	pCi/L	—	J	192146	GF070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.063	5.10E-03	5.37E-02	—	pCi/L	—	J	166077	GF060600PW1M01	GELC
M-1W	—	—	07/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.224	1.20E-02	6.40E-02	—	pCi/L	—	—	10-3632	CAMO-10-22761	GELC
M-1W	—	—	08/17/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.334	1.23E-02	4.30E-02	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.407	1.27E-02	3.60E-02	—	pCi/L	—	—	08-1671	CAMO-08-14416	GELC
M-1W	—	—	08/20/07	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.49	1.79E-02	6.54E-02	—	pCi/L	—	—	192146	GU070800PW1M01	GELC
M-1W	—	—	06/26/06	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.134	6.50E-03	5.12E-02	—	pCi/L	—	J	166077	GU060600PW1M01	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	170	—	—	7.30E-01	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	199	—	—	7.30E-01	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.6	—	—	7.30E-01	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.9	—	—	7.30E-01	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.191	—	—	6.60E-02	mg/L	J	J	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.105	—	—	6.60E-02	mg/L	J	J	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.087	—	—	6.70E-02	mg/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	102	—	—	5.00E-02	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.4	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.6	—	—	3.00E-02	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	94	—	—	5.00E-02	mg/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	32.1	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.7	—	—	3.00E-02	mg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	616	—	—	6.60E+00	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	225	—	—	3.30E+00	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	329	—	—	3.30E+00	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	248	—	—	3.30E+00	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.271	—	—	3.30E-02	mg/L	—	J-	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.283	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.163	—	—	3.30E-02	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.155	—	—	3.30E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	340	—	—	3.50E-01	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	105	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.2	—	—	3.50E-01	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	318	—	—	3.50E-01	mg/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.6	—	—	3.50E-01	mg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	20.4	—	—	8.50E-02	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.36	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.09	—	—	8.50E-02	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	8.50E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	20.3	—	—	8.50E-02	mg/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.77	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	8.50E-02	mg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	19.3	—	—	5.00E-02	mg/L	—	—	10-3552	CAMO-10-22781	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-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.6	—	—	5.00E-02	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.2	—	—	5.00E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	20.1	—	—	5.00E-02	mg/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.8	—	—	5.00E-02	mg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	362	—	—	1.00E-01	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	200	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	216	—	—	4.50E-02	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	183	—	—	4.50E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	356	—	—	1.00E-01	mg/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	206	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	218	—	—	4.50E-02	mg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	2630	—	—	1.00E+00	uS/cm	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1220	—	—	1.00E+00	uS/cm	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1290	—	—	1.00E+00	uS/cm	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1120	—	—	1.00E+00	uS/cm	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	40.6	—	—	5.00E-01	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.28	—	—	1.00E-01	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.8	—	—	1.00E-01	mg/L	—	J-	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.2	—	—	1.00E-01	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	1560	—	—	4.80E+00	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	733	—	—	2.40E+00	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	714	—	—	2.40E+00	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	621	—	—	2.40E+00	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.91	—	—	1.00E-02	SU	H	J-	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.54	—	—	1.00E-02	SU	H	J-	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.2	—	—	1.00E-02	SU	H	J-	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.54	—	—	1.00E-02	SU	H	J-	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	176	—	—	6.80E+01	ug/L	J	J	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	156	—	—	6.80E+01	ug/L	J	J	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	259	—	—	6.80E+01	ug/L	N	J+	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	8480	—	—	6.80E+01	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3790	—	—	6.80E+01	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	347	—	—	6.80E+01	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	670	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	234	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	219	—	—	1.00E+00	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	207	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	686	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	253	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	226	—	—	1.00E+00	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	11	—	—	1.00E+01	ug/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	J	J	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	ug/L	J	J	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-815	CAMO-09-2412	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-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.7	—	—	1.30E+01	ug/L	J	J	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2.3	—	—	1.50E+00	ug/L	J	U	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	1.50E+00	ug/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	662	—	—	1.30E+01	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.51	—	—	2.50E+00	ug/L	J	J	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3.3	—	—	1.50E+00	ug/L	—	U	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	35.6	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	11.1	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	9.6	—	—	1.00E+00	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	6.3	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	31.9	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	10.9	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	8.5	—	—	1.00E+00	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.3	—	—	3.00E+00	ug/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	15	—	—	3.00E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.87	—	—	3.00E+00	ug/L	J	J	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	49500	—	—	3.00E+01	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	8770	—	—	3.00E+01	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2960	—	—	2.50E+01	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1080	—	—	2.50E+01	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	58700	—	—	3.00E+01	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	11000	—	—	3.00E+01	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3240	—	—	2.50E+01	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	4.92	—	—	5.00E-01	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.75	—	—	5.00E-01	ug/L	J	J	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.1	—	—	5.00E-01	ug/L	J	J	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7800	—	—	2.00E+00	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2290	—	—	2.00E+00	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1840	—	—	2.00E+00	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1460	—	—	2.00E+00	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7680	—	—	2.00E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2290	—	—	2.00E+00	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1930	—	—	2.00E+00	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	7.31	—	—	5.00E-01	ug/L	—	J	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.08	—	—	1.00E-01	ug/L	—	J	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.65	—	—	1.00E-01	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.8	—	—	1.00E-01	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	13.3	—	—	5.00E-01	ug/L	—	J	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.4	—	—	1.00E-01	ug/L	—	J	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.65	—	—	1.00E-01	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	94.1	—	—	2.50E+00	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23	—	—	5.00E-01	ug/L	—	—	09-2803	CAMO-09-9471	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-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14	—	—	5.00E-01	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.6	—	—	5.00E-01	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	121	—	—	2.50E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	25	—	—	5.00E-01	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.6	—	—	5.00E-01	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	28.1	—	—	5.30E-02	mg/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	31.4	—	—	5.30E-02	mg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	24.9	—	—	3.20E-02	mg/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	30.1	—	—	3.20E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	708	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	193	—	—	5.00E+00	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	182	—	—	1.00E+00	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	691	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	5.00E+00	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	182	—	—	1.00E+00	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	J	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.99	—	—	5.00E-02	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.51	—	—	5.00E-02	ug/L	—	J	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.13	—	—	5.00E-02	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.8	—	—	5.00E-02	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.6	—	—	1.00E+00	ug/L	J	J	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.25	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.2	—	—	1.00E+00	ug/L	J	J	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1	—	—	1.00E+00	ug/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.4	—	—	1.00E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.2	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.2	—	—	1.00E+00	ug/L	J	J	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	18.8	—	—	3.30E+00	ug/L	—	—	10-3552	CAMO-10-22781	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.1	—	—	3.30E+00	ug/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.8	—	—	2.00E+00	ug/L	—	—	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	20.6	—	—	2.00E+00	ug/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36.1	—	—	3.30E+00	ug/L	—	—	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.1	—	—	3.30E+00	ug/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.3	—	—	2.00E+00	ug/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	07/02/10	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	0.3	—	—	2.50E-01	ug/L	J	J	10-3552	CAMO-10-22780	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	09-2804	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	08-1658	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	02/13/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	08-627	CAMO-08-10646	GELC
MCO-2	4551	2	07/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.2	—	—	7.30E-01	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.138	—	—	6.60E-02	mg/L	J	J	10-3549	CAMO-10-22795	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



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	07/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	263	—	—	3.30E+00	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.212	—	—	3.30E-02	mg/L	—	J-	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.6	—	—	3.50E-01	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.5	—	—	3.50E-01	mg/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.48	—	—	8.50E-02	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.39	—	—	8.50E-02	mg/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	46	—	—	5.00E-02	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	45	—	—	5.00E-02	mg/L	—	—	10-3549	CAMO-10-22794	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
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	07/01/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	161	—	—	1.00E-01	mg/L	—	—	10-3549	CAMO-10-22795	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	—	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	07/01/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	162	—	—	1.00E-01	mg/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1160	—	—	1.00E+00	uS/cm	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	111	—	—	5.00E+00	mg/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	685	—	—	2.40E+00	mg/L	—	J	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.44	—	—	1.00E-02	SU	H	J-	10-3549	CAMO-10-22795	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	628	—	—	6.80E+01	ug/L	—	—	10-3549	CAMO-10-22795	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1496	CAMO-10-9275	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
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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1480	—	—	6.80E+01	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.86	—	—	1.50E+00	ug/L	J	J	10-3549	CAMO-10-22795	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	8.33	—	—	1.50E+00	ug/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-217	CAMO-09-761	GELC
MCO-2	4551	2	07/01/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3	—	—	1.50E+00	ug/L	J	J	10-3549	CAMO-10-22794	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	8.69	—	—	1.50E+00	ug/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.6	—	—	1.50E+00	ug/L	J	J	09-217	CAMO-09-762	GELC
MCO-2	4551	2	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	223	—	—	1.00E+00	ug/L	—	—	10-3549	CAMO-10-22795	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

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	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	206	—	—	1.00E+00	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	74.8	—	—	1.50E+01	ug/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	70.6	—	—	1.50E+01	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.50E+00	ug/L	—	—	10-3549	CAMO-10-22795	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1496	CAMO-10-9275	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.5	—	—	2.50E+00	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.31	—	—	1.00E+00	ug/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.6	—	—	1.00E+00	ug/L	J	J	10-3549	CAMO-10-22794	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	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.2	—	—	3.00E+00	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1030	—	—	3.00E+01	ug/L	—	—	10-3549	CAMO-10-22795	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

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	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1590	—	—	3.00E+01	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.837	—	—	5.00E-01	ug/L	J	J	10-3549	CAMO-10-22795	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.6	—	—	5.00E-01	ug/L	J	J	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.98	—	—	5.00E-01	ug/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	07/01/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.24	—	—	5.00E-01	ug/L	—	—	10-3549	CAMO-10-22794	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.24	—	—	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	Lead	—	2.7	—	—	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	Lead	—	6.6	—	—	5.00E-01	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	694	—	—	2.00E+00	ug/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	675	—	—	2.00E+00	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	80.3	—	—	1.00E-01	ug/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	68.5	—	—	1.00E-01	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.08	—	—	5.00E-01	ug/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.65	—	—	5.00E-01	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.2	—	—	5.30E-02	mg/L	—	—	10-3549	CAMO-10-22795	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

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	Silicon Dioxide	—	47.1	—	—	3.20E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/L	—	—	10-3549	CAMO-10-22795	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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/L	—	—	10-3549	CAMO-10-22794	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.15	—	—	1.00E+00	ug/L	J	J	10-3549	CAMO-10-22795	GELC
MCO-2	4551	2	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-1496	CAMO-10-9275	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.29	—	—	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	Vanadium	—	3.5	—	—	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	Vanadium	—	5.7	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.22	—	—	1.00E+00	ug/L	J	J	10-3549	CAMO-10-22794	GELC
MCO-2	4551	2	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-1497	CAMO-10-9274	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.33	—	—	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	Vanadium	—	5.3	—	—	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	Vanadium	—	15.8	—	—	1.00E+00	ug/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.2	—	—	3.30E+00	ug/L	—	—	10-3549	CAMO-10-22795	GELC
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	07/01/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18	—	—	3.30E+00	ug/L	—	—	10-3549	CAMO-10-22794	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-4B	4581	8.9	07/06/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.7	—	—	7.30E-01	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.7	—	—	7.30E-01	mg/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	10-3182	CAMO-10-16714	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
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	07/06/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.044	—	—	1.60E-02	mg/L	J	J-	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.069	—	—	1.60E-02	mg/L	—	J-	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.028	—	—	1.60E-02	mg/L	J	J-	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.062	—	—	1.60E-02	mg/L	—	U	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.142	—	—	1.60E-02	mg/L	—	J	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.098	—	—	1.60E-02	mg/L	—	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	46.5	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.6	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22806	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

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	07/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	45.8	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.8	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	128	—	—	1.30E+00	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	137	—	—	1.30E+00	mg/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	118	—	—	6.60E-01	mg/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.481	—	—	3.30E-02	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.483	—	—	3.30E-02	mg/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.575	—	—	3.30E-02	mg/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	131	—	—	3.50E-01	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	137	—	—	3.50E-01	mg/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	130	—	—	3.50E-01	mg/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	141	—	—	3.50E-01	mg/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.93	—	—	8.50E-02	mg/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.02	—	—	8.50E-02	mg/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.605	—	—	5.00E-02	mg/L	—	J-	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	J-	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.875	—	—	5.00E-02	mg/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	9.1	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22799	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.72	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.07	—	—	5.00E-01	ug/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22806	GELC
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	07/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	64.6	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	67.4	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	63.2	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	68.9	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	682	—	—	1.00E+00	uS/cm	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	682	—	—	1.00E+00	uS/cm	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	623	—	—	1.00E+00	uS/cm	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	14.1	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.1	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	431	—	—	2.40E+00	mg/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	373	—	—	2.40E+00	mg/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.413	—	—	3.30E-02	mg/L	—	J-	10-3584	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.04	—	—	3.30E-02	mg/L	J	J-	10-3584	CAMO-10-22807	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	05/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.093	—	—	3.30E-02	mg/L	J	J	10-3182	CAMO-10-16713	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1616	CAMO-10-9281	GELC
MCO-4B	4581	8.9	11/09/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.074	—	—	3.30E-02	mg/L	J	J	10-430	CAMO-10-3092	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.773	—	—	3.30E-02	mg/L	—	J-	09-2923	CAMO-09-9498	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	3.36	—	—	3.30E-01	mg/L	—	—	10-3584	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.56	—	—	3.30E-01	mg/L	—	—	10-3584	CAMO-10-22807	GELC
MCO-4B	4581	8.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.73	—	—	3.30E-01	mg/L	—	—	10-3182	CAMO-10-16713	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	07/06/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Aluminum	—	100	—	—	6.80E+01	ug/L	J	J	10-3585	CAMO-10-22799	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
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	07/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	130	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	133	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	129	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	135	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	45.1	—	—	1.50E+01	ug/L	J	J	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46.6	—	—	1.50E+01	ug/L	J	J	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	44.1	—	—	1.50E+01	ug/L	J	J	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.9	—	—	1.50E+01	ug/L	J	J	10-3585	CAMO-10-22807	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



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	07/06/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	6.36	—	—	2.50E+00	ug/L	J	J	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.69	—	—	2.50E+00	ug/L	J	J	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	6.59	—	—	2.50E+00	ug/L	J	J	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.78	—	—	2.50E+00	ug/L	J	J	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	18.4	—	—	1.00E-01	ug/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	19.3	—	—	1.00E-01	ug/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	18.6	—	—	1.00E-01	ug/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	19.2	—	—	1.00E-01	ug/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	3.31	—	—	5.00E-01	ug/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.38	—	—	5.00E-01	ug/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	3.46	—	—	5.00E-01	ug/L	—	—	10-3585	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.19	—	—	5.00E-01	ug/L	—	—	10-3585	CAMO-10-22807	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	07/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	35.2	—	—	5.30E-02	mg/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36.6	—	—	5.30E-02	mg/L	—	—	10-3585	CAMO-10-22806	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34.9	—	—	5.30E-02	mg/L	—	—	10-3182	CAMO-10-16714	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	07/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22799	GELC
MCO-4B	4581	8.9	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	170	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22806	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	07/06/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22800	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22807	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
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0108	2.00E-03	2.70E-02	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.066	4.80E-03	3.66E-02	—	pCi/L	—	J	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.227	7.87E-03	2.20E-02	—	pCi/L	—	—	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.0109	1.77E-03	3.00E-02	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0164	1.77E-03	2.70E-02	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0467	3.33E-03	3.80E-02	—	pCi/L	—	—	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0255	2.77E-03	3.70E-02	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.117	6.33E-03	4.06E-02	—	pCi/L	—	J	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.22	1.23E-02	5.34E-02	—	pCi/L	—	—	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0116	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.643	3.93E-01	3.94E+00	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	8.13	6.13E-01	3.89E+00	—	pCi/L	UI	R	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-2.12	5.67E-01	5.20E+00	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.28	5.33E-01	5.60E+00	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0755	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.08	5.00E-01	5.50E+00	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.93	5.97E-01	5.18E+00	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.74	5.57E-01	6.74E+00	—	pCi/L	U	U	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.54	5.67E-01	6.00E+00	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.624	5.07E-01	4.71E+00	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.995	4.77E-01	5.95E+00	—	pCi/L	U	U	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.378	5.67E-01	5.80E+00	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.06	5.33E-01	4.80E+00	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.376	4.00E-01	3.80E+00	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.819	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.806	4.27E-01	4.01E+00	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.71	4.63E-01	5.86E+00	—	pCi/L	U	U	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3	3.57E-01	2.95E+00	—	pCi/L	—	J	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.87	2.43E-01	1.64E+00	—	pCi/L	—	J	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.73	4.03E-01	3.35E+00	—	pCi/L	—	J	145782	GF05090G4BM01	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	2.39	4.00E-01	2.90E+00	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.107	4.00E-01	3.00E+00	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.41	2.57E-01	2.90E+00	—	pCi/L	U	UJ	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.32	2.72E-01	2.02E+00	—	pCi/L	—	J	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.67	2.80E-01	2.36E+00	—	pCi/L	—	J	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.24	2.76E-01	1.35E+00	—	pCi/L	—	—	145782	GU05090G4BM01	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	150	4.47E+00	3.47E+00	—	pCi/L	—	—	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	119	1.04E+00	2.94E+00	—	pCi/L	—	—	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	89.4	7.87E-01	2.63E+00	—	pCi/L	—	—	145782	GF05090G4BM01	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	136	4.00E+00	2.90E+00	—	pCi/L	—	—	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	127	3.67E+00	3.00E+00	—	pCi/L	—	—	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	91.3	2.73E+00	2.50E+00	—	pCi/L	—	—	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	134	4.03E+00	3.29E+00	—	pCi/L	—	—	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	145	1.39E+00	3.57E+00	—	pCi/L	—	—	166170	GU060500G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	90.7	9.33E-01	2.37E+00	—	pCi/L	—	—	145782	GU05090G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	16.5	6.00E+00	3.00E+01	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	236	4.67E+01	4.79E+02	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	91.4	3.02E+01	3.06E+02	—	pCi/L	U	U	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	6.04	8.67E-01	2.10E+01	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.07	1.23E+00	1.10E+01	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.1	8.33E+00	5.40E+01	—	pCi/L	—	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	12.6	5.33E+00	2.50E+01	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	239	4.70E+01	4.40E+02	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	101	2.72E+01	3.85E+02	—	pCi/L	U	U	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.3	3.67E+00	3.20E+01	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	31	4.00E+00	3.07E+01	—	pCi/L	UI	R	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.07	3.00E+00	3.17E+01	—	pCi/L	U	U	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	1.47	9.00E-01	8.80E+00	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.46	1.07E+00	1.10E+01	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.05	3.67E+00	3.10E+01	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.46	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.9	3.73E+00	3.56E+01	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.04	3.60E+00	3.77E+01	—	pCi/L	U	U	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00601	3.07E-03	2.80E-02	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00919	1.77E-03	2.94E-02	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0408	4.13E-03	2.06E-02	—	pCi/L	—	J	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00309	1.03E-03	2.10E-02	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00378	9.00E-04	2.50E-02	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0123	1.83E-03	3.30E-02	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.013	2.53E-03	2.30E-02	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0282	2.57E-03	3.19E-02	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0222	2.16E-03	1.78E-02	—	pCi/L	—	J	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.016	2.50E-03	3.40E-02	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0168	1.99E-03	2.70E-02	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0429	3.24E-03	2.40E-02	—	pCi/L	—	J	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00928	1.27E-03	2.10E-02	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00756	1.27E-03	2.60E-02	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0339	2.87E-03	3.70E-02	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0129	1.87E-03	2.80E-02	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0531	3.40E-03	2.92E-02	—	pCi/L	—	J	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0333	2.81E-03	2.07E-02	—	pCi/L	—	J	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.3	7.00E+00	7.10E+01	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	34.3	7.83E+00	3.69E+01	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	26.3	5.83E+00	7.37E+01	—	pCi/L	U	U	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	28.2	6.67E+00	7.50E+01	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.5	7.00E+00	7.80E+01	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.3	5.00E+00	4.60E+01	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.63	6.67E+00	6.40E+01	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	57.5	7.97E+00	4.32E+01	—	pCi/L	UI	R	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.9	6.47E+00	4.26E+01	—	pCi/L	U	U	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.07	4.33E-01	3.80E+00	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.988	5.13E-01	3.99E+00	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.89	3.97E-01	5.55E+00	—	pCi/L	U	U	166170	GF060500G4BM02	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	07/06/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.08	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.22	5.33E-01	4.70E+00	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.96	4.33E-01	3.90E+00	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1	3.67E-01	4.20E+00	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.112	4.60E-01	4.46E+00	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.398	4.23E-01	4.69E+00	—	pCi/L	U	U	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	65.7	1.80E+00	4.50E-01	—	pCi/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	60	1.62E+00	3.22E-01	—	pCi/L	—	—	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	47	2.86E-01	3.12E-01	—	pCi/L	—	—	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	—	61.6	1.67E+00	4.50E-01	—	pCi/L	—	—	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	48.2	1.33E+00	4.80E-01	—	pCi/L	—	—	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	44.8	1.23E+00	6.30E-01	—	pCi/L	—	—	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	59.6	1.63E+00	2.80E-01	—	pCi/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	65.2	1.75E+00	3.12E-01	—	pCi/L	—	—	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	50.1	3.57E-01	4.40E-01	—	pCi/L	—	—	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	1280	5.67E+01	2.40E+02	—	pCi/L	—	—	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1160	5.33E+01	2.40E+02	—	pCi/L	—	—	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1370	5.67E+01	2.30E+02	—	pCi/L	—	—	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	690	3.27E+01	1.30E+02	—	pCi/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	591	2.89E+01	1.45E+02	—	pCi/L	—	—	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/04/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	596	3.02E+01	1.55E+02	—	pCi/L	—	—	187192	GU070500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.328	1.27E-02	1.10E-01	—	pCi/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.568	2.06E-02	5.46E-02	—	pCi/L	—	—	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.865	2.26E-02	4.95E-02	—	pCi/L	—	—	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.137	7.33E-03	6.90E-02	—	pCi/L	—	—	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.189	9.33E-03	7.60E-02	—	pCi/L	—	—	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.284	1.23E-02	1.10E-01	—	pCi/L	—	—	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.26	9.67E-03	7.00E-02	—	pCi/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.488	1.78E-02	4.86E-02	—	pCi/L	—	—	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.893	2.31E-02	4.84E-02	—	pCi/L	—	—	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0268	4.00E-03	5.70E-02	—	pCi/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0431	5.63E-03	4.66E-02	—	pCi/L	U	U	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0352	3.73E-03	4.17E-02	—	pCi/L	U	U	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.00999	2.50E-03	4.20E-02	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.23E-03	4.60E-02	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	3.07E-03	5.50E-02	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0203	2.97E-03	3.80E-02	—	pCi/L	U	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0288	4.43E-03	4.15E-02	—	pCi/L	U	U	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0602	4.73E-03	4.08E-02	—	pCi/L	—	J	166170	GU060500G4BM01	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0836	5.67E-03	5.60E-02	—	pCi/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.148	9.23E-03	7.29E-02	—	pCi/L	—	J	191539	GF070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.275	1.02E-02	5.26E-02	—	pCi/L	—	—	166170	GF060500G4BM02	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	<	0.0458	4.00E-03	4.80E-02	—	pCi/L	U	U	10-3586	CAMO-10-22800	GELC
MCO-4B	4581	8.9	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0472	4.67E-03	5.30E-02	—	pCi/L	U	U	10-3586	CAMO-10-22807	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.117	7.33E-03	5.50E-02	—	pCi/L	—	—	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.084	5.00E-03	3.70E-02	—	pCi/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.173	9.57E-03	6.49E-02	—	pCi/L	—	J	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/27/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.269	9.90E-03	5.15E-02	—	pCi/L	—	—	166170	GU060500G4BM01	GELC
MCO-5	4591	21	07/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.2	—	—	7.30E-01	mg/L	—	—	10-3585	CAMO-10-22810	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	—	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	07/06/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.059	—	—	1.60E-02	mg/L	—	J-	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	41.8	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	123	—	—	1.30E+00	mg/L	—	—	10-3585	CAMO-10-22810	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
MCO-5	4591	21	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.638	—	—	3.30E-02	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	120	—	—	3.50E-01	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	124	—	—	3.50E-01	mg/L	—	—	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	10-3585	CAMO-10-22811	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

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	07/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.765	—	—	5.00E-02	mg/L	—	J-	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.27	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.9	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.5	—	—	5.00E-02	mg/L	—	—	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.1	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22810	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
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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	61.7	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	636	—	—	1.00E+00	uS/cm	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.8	—	—	1.00E-01	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	409	—	—	2.40E+00	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.129	—	—	3.30E-02	mg/L	—	J-	10-3584	CAMO-10-22811	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

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	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.07	—	—	3.30E-01	mg/L	—	—	10-3584	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	J-	10-3585	CAMO-10-22810	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	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	127	—	—	6.80E+01	ug/L	J	J	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	125	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22810	GELC
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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	135	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48.2	—	—	1.50E+01	ug/L	J	J	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	51	—	—	1.50E+01	ug/L	—	—	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.76	—	—	2.50E+00	ug/L	J	J	10-3585	CAMO-10-22810	GELC
MCO-5	4591	21	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.32	—	—	2.50E+00	ug/L	J	J	10-3585	CAMO-10-22811	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.9	—	—	1.50E+00	ug/L	J	J	09-884	CAMO-09-2593	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	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-253	CAMO-09-775	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	71.7	—	—	3.00E+01	ug/L	J	J	10-3585	CAMO-10-22811	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	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	20.6	—	—	1.00E-01	ug/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	19.6	—	—	1.00E-01	ug/L	—	—	10-3585	CAMO-10-22811	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
MCO-5	4591	21	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	ug/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.63	—	—	5.00E-01	ug/L	—	—	10-3585	CAMO-10-22811	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	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1458	CAMO-10-9283	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.07	—	—	1.00E+00	ug/L	J	J	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.24	—	—	1.00E+00	ug/L	J	J	10-3585	CAMO-10-22811	GELC
MCO-5	4591	21	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1458	CAMO-10-9285	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	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-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34	—	—	5.30E-02	mg/L	—	—	10-3585	CAMO-10-22810	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22810	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



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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-3585	CAMO-10-22811	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	11/10/08	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0551	4.00E-03	3.00E-02	—	pCi/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.105	5.50E-03	4.46E-02	—	pCi/L	—	J	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.117	6.07E-03	3.75E-02	—	pCi/L	—	—	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0341	3.00E-03	3.60E-02	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0377	3.13E-03	3.50E-02	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0521	5.33E-03	2.60E-02	—	pCi/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.443	1.31E-02	4.05E-02	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	1.06	2.26E-02	3.19E-02	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.56	4.67E-01	3.40E+00	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.8	4.37E-01	3.81E+00	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.84	2.91E-01	3.52E+00	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.251	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.75	5.00E-01	5.30E+00	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.823	4.33E-01	4.00E+00	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.885	4.40E-01	4.46E+00	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.003	3.57E-01	3.74E+00	—	pCi/L	U	U	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.153	4.67E-01	4.90E+00	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.542	4.43E-01	4.21E+00	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.37	6.90E-01	4.27E+00	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.48	5.67E-01	6.10E+00	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.5	6.33E-01	5.30E+00	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.01	5.33E-01	5.40E+00	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.37	3.93E-01	4.99E+00	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.1	2.68E-01	3.35E+00	—	pCi/L	U	U	145782	GU05090G5CM01	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.43	2.74E-01	2.56E+00	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.35	2.05E-01	1.76E+00	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	05/03/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	1.89	1.67E-01	1.24E+00	—	pCi/L	—	J	135782	GF05050G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.133	2.67E-01	2.80E+00	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.61	2.03E-01	1.30E+00	—	pCi/L	—	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.04	4.93E-01	3.15E+00	—	pCi/L	—	J	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.83	3.60E-01	3.13E+00	—	pCi/L	—	J	145782	GU05090G5CM01	GELC
MCO-5	4591	21	05/03/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.66	2.28E-01	1.89E+00	—	pCi/L	—	J	135782	GU05050G5CM01	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	129	3.83E+00	3.51E+00	—	pCi/L	—	—	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	80.5	8.57E-01	2.95E+00	—	pCi/L	—	—	145782	GF05090G5CM01	GELC
MCO-5	4591	21	05/03/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	95.9	1.03E+00	2.82E+00	—	pCi/L	—	—	135782	GF05050G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	94.2	2.83E+00	2.80E+00	—	pCi/L	—	—	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	96.5	2.87E+00	2.20E+00	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	129	3.77E+00	3.23E+00	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	77	7.30E-01	2.42E+00	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-5	4591	21	05/03/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	106	9.77E-01	3.11E+00	—	pCi/L	—	J	135782	GU05050G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	28	7.33E+00	3.60E+01	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	84.7	2.25E+01	1.87E+02	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	62.1	1.78E+01	2.40E+02	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	87	1.33E+01	1.60E+02	—	pCi/L	U	U	10-3586	CAMO-10-22811	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	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	105	2.27E+01	1.40E+02	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	14.1	7.00E+00	5.90E+01	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	62.1	1.63E+01	1.80E+02	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.3	2.32E+01	2.64E+02	—	pCi/L	U	U	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.7	3.17E+00	3.20E+01	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.8	3.14E+00	2.98E+01	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.06	2.12E+00	2.29E+01	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.84	9.67E-01	8.90E+00	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.4	4.00E+00	3.70E+01	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.34	3.33E+00	3.30E+01	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.99	3.21E+00	2.87E+01	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.23	2.41E+00	2.46E+01	—	pCi/L	U	U	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0122	2.10E-03	2.50E-02	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0401	3.20E-03	3.30E-02	—	pCi/L	—	J	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0254	3.70E-03	4.80E-02	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00235	2.37E-03	3.10E-02	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.026	1.90E-03	2.20E-02	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0363	2.97E-03	2.40E-02	—	pCi/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.207	7.60E-03	3.31E-02	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.173	8.23E-03	4.80E-02	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0157	2.10E-03	3.00E-02	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0557	3.80E-03	3.03E-02	—	pCi/L	—	J	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0369	3.63E-03	4.05E-02	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0141	4.00E-03	3.20E-02	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0448	2.53E-03	2.50E-02	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0412	3.20E-03	2.80E-02	—	pCi/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.346	1.03E-02	3.04E-02	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.298	1.03E-02	4.05E-02	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	66.3	6.67E+00	7.80E+01	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	59.7	5.67E+00	3.99E+01	—	pCi/L	UI	R	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	13.8	3.60E+00	4.27E+01	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	53.3	6.67E+00	4.10E+01	—	pCi/L	UI	R	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-24.1	6.00E+00	5.80E+01	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	15.1	8.00E+00	4.70E+01	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.29	5.23E+00	5.46E+01	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	63.1	6.43E+00	2.89E+01	—	pCi/L	—	J	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.058	4.33E-01	4.20E+00	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	3.31	4.23E-01	5.85E+00	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.24	3.57E-01	4.24E+00	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.299	5.67E-01	5.40E+00	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0236	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.73	4.67E-01	4.10E+00	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.74	3.97E-01	2.82E+00	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.97	3.40E-01	3.38E+00	—	pCi/L	UI	R	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	42.4	1.13E+00	2.50E-01	—	pCi/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	44.9	1.20E+00	2.31E-01	—	pCi/L	—	—	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	26.5	2.26E-01	2.88E-01	—	pCi/L	—	—	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	41.9	1.17E+00	4.40E-01	—	pCi/L	—	—	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	45.3	1.27E+00	2.60E-01	—	pCi/L	—	—	09-2909	CAMO-09-9502	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	11/10/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	40.4	1.07E+00	2.40E-01	—	pCi/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	65.4	1.74E+00	3.21E-01	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	27.6	2.60E-01	3.44E-01	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	982	4.67E+01	2.40E+02	—	pCi/L	—	—	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1290	5.00E+01	1.40E+02	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	571	2.87E+01	1.30E+02	—	pCi/L	—	—	08-1699	CAMO-08-14474	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	623	3.00E+01	1.47E+02	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	06/05/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	762	3.50E+01	1.50E+02	—	pCi/L	—	—	187316	GU070500G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.207	7.67E-03	5.80E-02	—	pCi/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.364	1.55E-02	5.46E-02	—	pCi/L	—	—	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.405	1.19E-02	6.44E-02	—	pCi/L	—	—	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.114	7.00E-03	7.30E-02	—	pCi/L	—	—	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.3	1.20E-02	1.00E-01	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.206	8.33E-03	5.90E-02	—	pCi/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.4	1.66E-02	5.32E-02	—	pCi/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.479	1.27E-02	5.92E-02	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0205	2.40E-03	3.10E-02	—	pCi/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0296	4.53E-03	4.66E-02	—	pCi/L	U	U	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0209	3.50E-03	4.85E-02	—	pCi/L	U	U	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00704	1.67E-03	4.40E-02	—	pCi/L	U	U	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00687	2.80E-03	5.10E-02	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.97E-03	3.10E-02	—	pCi/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0315	4.87E-03	4.54E-02	—	pCi/L	U	U	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0432	3.63E-03	4.45E-02	—	pCi/L	U	U	145782	GU05090G5CM01	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0812	4.33E-03	3.10E-02	—	pCi/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/21/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.179	1.02E-02	7.29E-02	—	pCi/L	—	J	192208	GF070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.148	6.40E-03	4.56E-02	—	pCi/L	—	—	145782	GF05090G5CM01	GELC
MCO-5	4591	21	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0854	5.67E-03	5.10E-02	—	pCi/L	—	—	10-3586	CAMO-10-22811	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.12	7.33E-03	5.10E-02	—	pCi/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0643	4.33E-03	3.10E-02	—	pCi/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.179	1.04E-02	7.11E-02	—	pCi/L	—	J	192208	GU070800G5CM01	GELC
MCO-5	4591	21	09/15/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.26	8.90E-03	4.19E-02	—	pCi/L	—	—	145782	GU05090G5CM01	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	118	—	—	7.30E-01	mg/L	—	—	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.033	—	—	1.60E-02	mg/L	J	J-	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.082	—	—	1.60E-02	mg/L	—	U	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	38.7	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	37.6	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22814	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

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	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	87.6	—	—	6.60E-01	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	40.2	—	—	6.60E-01	mg/L	—	—	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.742	—	—	3.30E-02	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.872	—	—	3.30E-02	mg/L	—	—	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	111	—	—	3.50E-01	mg/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	3.50E-01	mg/L	—	—	10-3600	CAMO-10-22814	GELC
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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.35	—	—	8.50E-02	mg/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.32	—	—	8.50E-02	mg/L	—	—	10-3600	CAMO-10-22814	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	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.06	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	J	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.31	—	—	5.00E-01	ug/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.61	—	—	5.00E-01	ug/L	—	—	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.6	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22814	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	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.7	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.4	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22814	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	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	575	—	—	1.00E+00	uS/cm	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	10-3128	CAMO-10-16716	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
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.6	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.24	—	—	1.00E-01	mg/L	—	—	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	337	—	—	2.40E+00	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	275	—	—	2.40E+00	mg/L	—	—	10-3128	CAMO-10-16716	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	07/07/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.187	—	—	3.30E-02	mg/L	—	—	10-3599	CAMO-10-22814	GELC
MCO-6	4601	27	05/11/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.14	—	—	3.30E-02	mg/L	—	U	10-3128	CAMO-10-16715	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.91	—	—	3.30E-01	mg/L	—	—	10-3599	CAMO-10-22814	GELC
MCO-6	4601	27	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.29	—	—	3.30E-01	mg/L	—	—	10-3128	CAMO-10-16715	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	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.16	—	—	1.00E-02	SU	H	J-	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.18	—	—	1.00E-02	SU	H	J-	10-3128	CAMO-10-16716	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	107	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22813	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

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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	107	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22814	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57.7	—	—	1.50E+01	ug/L	—	—	10-3600	CAMO-10-22813	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
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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	56.5	—	—	1.50E+01	ug/L	—	—	10-3600	CAMO-10-22814	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	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2	—	—	1.50E+00	ug/L	J	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.81	—	—	2.50E+00	ug/L	J	J	10-3600	CAMO-10-22814	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	2.2	—	—	1.50E+00	ug/L	J	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-262	CAMO-09-768	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	30.3	—	—	1.00E-01	ug/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	33.4	—	—	1.00E-01	ug/L	—	—	10-3600	CAMO-10-22814	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.61	—	—	5.00E-01	ug/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.78	—	—	5.00E-01	ug/L	—	—	10-3600	CAMO-10-22814	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.79	—	—	1.00E+00	ug/L	J	J	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	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-846:6020	Selenium	<	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-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-262	CAMO-09-767	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.72	—	—	1.00E+00	ug/L	J	J	10-3600	CAMO-10-22814	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	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-846:6020	Selenium	<	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-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-262	CAMO-09-768	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.9	—	—	5.30E-02	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.8	—	—	5.30E-02	mg/L	—	—	10-3128	CAMO-10-16716	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
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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22813	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22814	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	F	CS	—	Rad	HASL-300	Americium-241	<	0.0226	2.43E-03	2.70E-02	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.072	4.50E-03	3.29E-02	—	pCi/L	—	J	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.136	7.10E-03	2.25E-02	—	pCi/L	—	—	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00383	2.07E-03	3.40E-02	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00873	3.67E-03	3.30E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0181	2.80E-03	3.10E-02	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0657	4.70E-03	3.65E-02	—	pCi/L	—	J	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.152	6.63E-03	2.22E-02	—	pCi/L	—	—	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.457	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.64	3.63E-01	3.05E+00	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.479	4.03E-01	3.78E+00	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.935	4.67E-01	4.90E+00	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.902	4.00E-01	4.00E+00	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.09	3.33E-01	3.70E+00	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.969	7.63E-01	6.37E+00	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.08	4.00E-01	4.48E+00	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.571	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.729	3.19E-01	2.85E+00	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.673	4.37E-01	4.07E+00	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.67	5.33E-01	4.30E+00	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.26	3.67E-01	3.90E+00	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.26	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.163	4.90E-01	4.66E+00	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.954	4.57E-01	4.75E+00	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	2.41	3.53E-01	2.63E+00	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.987	1.27E-01	1.17E+00	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.06	3.12E-01	2.20E+00	—	pCi/L	—	J	145739	GF05090G6CM01	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.769	2.13E-01	2.20E+00	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.881	3.67E-01	2.30E+00	—	pCi/L	U	U	09-2858	CAMO-09-9507	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	08/14/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.02	2.78E-01	2.88E+00	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-3.48	1.47E-01	1.19E+00	—	pCi/L	U	R	166714	GU060500G6CM01	GELC
MCO-6	4601	27	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.2	3.70E-01	2.47E+00	—	pCi/L	—	J	145739	GU05090G6CM01	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	109	3.21E+00	3.66E+00	—	pCi/L	—	—	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	97	1.61E+00	6.61E+00	—	pCi/L	—	—	166714	GF060500G6CM02	GELC
MCO-6	4601	27	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	112	1.31E+00	4.49E+00	—	pCi/L	—	—	145739	GF05090G6CM01	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	114	3.33E+00	2.50E+00	—	pCi/L	—	—	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	84.7	2.57E+00	2.00E+00	—	pCi/L	—	—	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	105	3.13E+00	3.02E+00	—	pCi/L	—	—	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	95.1	1.62E+00	7.91E+00	—	pCi/L	—	—	166714	GU060500G6CM01	GELC
MCO-6	4601	27	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	111	1.05E+00	2.74E+00	—	pCi/L	—	—	145739	GU05090G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	30.4	6.33E+00	2.90E+01	—	pCi/L	—	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.2	2.58E+01	2.98E+02	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	55.3	1.53E+01	1.87E+02	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18.6	2.43E+00	9.10E+00	—	pCi/L	—	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	83.3	1.17E+01	7.80E+01	—	pCi/L	—	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19.1	3.33E+00	1.70E+01	—	pCi/L	—	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	73.7	2.58E+01	3.00E+02	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	93.7	2.86E+01	3.19E+02	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.59	3.67E+00	3.70E+01	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.52	2.69E+00	2.61E+01	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.86	3.15E+00	2.68E+01	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.86	1.27E+00	1.20E+01	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	4.00E+00	4.00E+01	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.441	2.43E+00	2.40E+01	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.98	2.27E+00	2.17E+01	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.2	3.31E+00	3.27E+01	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00679	3.67E-03	2.40E-02	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00886	2.44E-03	3.40E-02	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0595	5.43E-03	2.20E-02	—	pCi/L	—	J	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00649	2.40E-03	2.90E-02	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00215	2.37E-03	3.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00521	2.67E-03	2.40E-02	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0106	3.93E-03	4.06E-02	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0316	3.27E-03	1.90E-02	—	pCi/L	—	J	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0136	2.27E-03	2.90E-02	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00886	2.29E-03	3.12E-02	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0114	2.75E-03	2.56E-02	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00216	1.60E-03	2.90E-02	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0258	3.67E-03	4.20E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0208	2.33E-03	3.00E-02	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00634	2.34E-03	3.72E-02	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0079	3.73E-03	2.21E-02	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.46	6.67E+00	6.90E+01	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	11.4	6.17E+00	2.62E+01	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	3.16	5.50E+00	5.02E+01	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.4	8.33E+00	8.30E+01	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.49	6.00E+00	5.70E+01	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.6	5.67E+00	5.60E+01	—	pCi/L	U	U	08-1712	CAMO-08-14478	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	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28	6.37E+00	6.75E+01	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.3	4.13E+00	4.40E+01	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.11	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.753	3.73E-01	3.86E+00	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.378	4.20E-01	3.99E+00	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.158	5.33E-01	5.50E+00	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0607	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.503	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	5.23E-01	4.84E+00	—	pCi/L	U	U	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	4.58	5.07E-01	4.49E+00	—	pCi/L	UI	R	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	43.2	1.20E+00	3.40E-01	—	pCi/L	—	—	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	42.3	1.15E+00	4.74E-01	—	pCi/L	—	—	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	16.7	2.10E-01	5.07E-01	—	pCi/L	—	—	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	37.9	1.07E+00	4.20E-01	—	pCi/L	—	—	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	39.4	1.07E+00	3.20E-01	—	pCi/L	—	—	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	43.6	1.20E+00	2.20E-01	—	pCi/L	—	—	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	43.2	1.18E+00	3.29E-01	—	pCi/L	—	—	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	36.2	3.26E-01	5.68E-01	—	pCi/L	—	—	166714	GU060500G6CM01	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1260	5.67E+01	2.40E+02	—	pCi/L	—	—	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1160	4.33E+01	1.50E+02	—	pCi/L	—	—	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	672	3.20E+01	1.30E+02	—	pCi/L	—	—	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	678	2.76E+01	1.06E+02	—	pCi/L	—	JN+	191665	GU070800G6CM01	GELC
MCO-6	4601	27	06/04/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	685	3.22E+01	1.47E+02	—	pCi/L	—	—	187192	GU070500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.253	8.33E-03	5.80E-02	—	pCi/L	—	—	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.542	1.92E-02	4.96E-02	—	pCi/L	—	—	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.5	5.60E-02	2.42E-01	—	pCi/L	—	—	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.306	1.23E-02	7.10E-02	—	pCi/L	—	—	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.476	1.67E-02	1.00E-01	—	pCi/L	—	—	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.264	1.00E-02	8.20E-02	—	pCi/L	—	—	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.532	1.90E-02	4.98E-02	—	pCi/L	—	—	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.43	4.37E-02	1.45E-01	—	pCi/L	—	—	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	1.87E-03	3.10E-02	—	pCi/L	U	U	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0245	4.20E-03	4.23E-02	—	pCi/L	U	U	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0143	2.29E-02	2.04E-01	—	pCi/L	U	U	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00689	1.63E-03	4.30E-02	—	pCi/L	U	U	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0399	4.00E-03	5.00E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0178	3.13E-03	4.40E-02	—	pCi/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0492	5.30E-03	4.25E-02	—	pCi/L	—	J	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.069	8.23E-03	1.23E-01	—	pCi/L	U	U	166714	GU060500G6CM01	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.103	4.67E-03	3.00E-02	—	pCi/L	—	—	08-1712	CAMO-08-14477	GELC
MCO-6	4601	27	08/14/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.157	9.30E-03	6.62E-02	—	pCi/L	—	J	191665	GF070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.684	3.73E-02	2.57E-01	—	pCi/L	—	J	166714	GF060500G6CM02	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0975	6.33E-03	5.00E-02	—	pCi/L	—	—	10-3601	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.188	9.00E-03	5.10E-02	—	pCi/L	—	—	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.103	5.67E-03	4.30E-02	—	pCi/L	—	—	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.203	1.06E-02	6.65E-02	—	pCi/L	—	—	191665	GU070800G6CM01	GELC
MCO-6	4601	27	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.474	2.21E-02	1.55E-01	—	pCi/L	—	—	166714	GU060500G6CM01	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	27.6	—	—	2.50E+00	ug/L	—	—	10-3599	CAMO-10-22814	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.9	—	—	2.20E+00	ug/L	U	U	09-2856	CAMO-09-9507	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	08/19/08	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.4	—	—	2.10E+00	ug/L	U	U	08-1712	CAMO-08-14478	GELC
MCO-6	4601	27	08/14/07	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.4	—	—	2.08E+00	ug/L	U	—	191665	GU070800G6CM01	GELC
MCO-6	4601	27	06/04/07	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	11.6	—	—	2.33E+00	ug/L	U	—	187192	GU070500G6CM01	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	115	—	—	7.30E-01	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.016	—	—	1.60E-02	mg/L	J	J-	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.047	—	—	1.60E-02	mg/L	J	U	10-3128	CAMO-10-16718	GELC
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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.2	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.2	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51.3	—	—	6.60E-01	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.894	—	—	3.30E-02	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.01	—	—	3.30E-02	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.7	—	—	3.50E-01	mg/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.94	—	—	8.50E-02	mg/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.91	—	—	8.50E-02	mg/L	—	—	10-3600	CAMO-10-22816	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

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	11/11/08	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	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.36	—	—	5.00E-02	mg/L	—	J	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.21	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.54	—	—	5.00E-01	ug/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.7	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.9	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	471	—	—	1.00E+00	uS/cm	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	498	—	—	1.00E+00	uS/cm	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.33	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.06	—	—	1.00E-01	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.127	—	—	3.30E-02	mg/L	—	—	10-3599	CAMO-10-22816	GELC
MCO-7	4631	39	05/11/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.087	—	—	3.30E-02	mg/L	J	U	10-3128	CAMO-10-16717	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	11/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-447	CAMO-10-3095	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.222	—	—	3.30E-02	mg/L	—	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.32	—	—	3.30E-01	mg/L	—	—	10-3599	CAMO-10-22816	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	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.23	—	—	3.30E-01	mg/L	—	—	10-3128	CAMO-10-16717	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	07/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.264	—	—	1.50E-02	mg/L	—	J	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.205	—	—	1.50E-02	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.07	—	—	1.00E-02	SU	H	J-	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	10-3128	CAMO-10-16718	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
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	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1496	CAMO-10-9291	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	161	—	—	6.80E+01	ug/L	J	J	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	196	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	194	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	66	—	—	1.50E+01	ug/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	66.9	—	—	1.50E+01	ug/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.89	—	—	2.50E+00	ug/L	J	J	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.44	—	—	2.50E+00	ug/L	J	J	10-3600	CAMO-10-22816	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

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	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	65.8	—	—	3.00E+01	ug/L	J	J	10-3600	CAMO-10-22816	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
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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	35.8	—	—	1.00E-01	ug/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	36	—	—	1.00E-01	ug/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.79	—	—	5.00E-01	ug/L	J	J	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.87	—	—	5.00E-01	ug/L	J	J	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.16	—	—	1.00E+00	ug/L	J	J	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.02	—	—	1.00E+00	ug/L	J	J	10-3600	CAMO-10-22816	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1497	CAMO-10-9289	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.5	—	—	5.30E-02	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.5	—	—	5.30E-02	mg/L	—	—	10-3128	CAMO-10-16718	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	154	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22817	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22816	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.44	—	—	1.00E+00	ug/L	J	J	10-3600	CAMO-10-22817	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	—	Metals	SW-846:6010B	Vanadium	<	3.26	—	—	1.00E+00	ug/L	J	U	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.23	—	—	1.00E+00	ug/L	J	J	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.7	—	—	1.00E+00	ug/L	J	J	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.49	—	—	1.00E+00	ug/L	J	J	10-3600	CAMO-10-22816	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.08	—	—	1.00E+00	ug/L	J	U	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.25	—	—	1.00E+00	ug/L	J	J	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00E+00	ug/L	J	J	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.2	—	—	1.00E+00	ug/L	J	J	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00218	3.67E-03	3.00E-02	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0353	3.40E-03	5.47E-02	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0612	7.80E-03	3.87E-02	—	pCi/L	—	J	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00161	3.23E-03	3.20E-02	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0415	3.23E-03	3.30E-02	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0196	2.40E-03	2.60E-02	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0704	4.17E-03	3.24E-02	—	pCi/L	—	J	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.14	8.10E-03	3.13E-02	—	pCi/L	—	—	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.222	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.414	4.13E-01	4.10E+00	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.488	4.43E-01	3.61E+00	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.66	5.00E-01	5.60E+00	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.245	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.4	5.33E-01	5.50E+00	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.353	4.07E-01	3.92E+00	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.352	5.27E-01	5.84E+00	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.86	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.404	4.20E-01	4.29E+00	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.417	3.77E-01	3.83E+00	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.171	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.75	6.00E-01	6.30E+00	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.84	5.00E-01	5.40E+00	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.3	4.13E-01	3.46E+00	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.21	4.93E-01	5.95E+00	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.577	2.06E-01	2.20E+00	—	pCi/L	U	U, J-	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-2.97	1.05E-01	1.13E+00	—	pCi/L	U	R	166714	GF060500G7CM02	GELC
MCO-7	4631	39	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.46	2.52E-01	2.90E+00	—	pCi/L	U	U	145579	GF05090G7CM01	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.48	4.67E-01	2.60E+00	—	pCi/L	—	—	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.29	5.67E-01	3.90E+00	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.21	2.70E-01	1.64E+00	—	pCi/L	—	J-, J	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.459	2.39E-01	2.73E+00	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.99	2.95E-01	2.29E+00	—	pCi/L	U	U	145579	GU05090G7CM01	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	25	8.50E-01	2.64E+00	—	pCi/L	—	J-	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	31	7.67E-01	4.66E+00	—	pCi/L	—	—	166714	GF060500G7CM02	GELC
MCO-7	4631	39	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	29.3	4.60E-01	2.72E+00	—	pCi/L	—	—	145579	GF05090G7CM01	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.17	4.00E-01	2.90E+00	—	pCi/L	—	—	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	30.5	1.07E+00	2.40E+00	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	23.5	8.47E-01	2.81E+00	—	pCi/L	—	J-	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	30.4	7.97E-01	5.10E+00	—	pCi/L	—	—	166714	GU060500G7CM01	GELC
MCO-7	4631	39	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	24.6	4.23E-01	2.53E+00	—	pCi/L	—	—	145579	GU05090G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	21.5	6.67E+00	2.70E+01	—	pCi/L	U	U	08-1712	CAMO-08-14482	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	08/28/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	95.3	4.17E+01	3.47E+02	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	73.2	1.74E+01	2.21E+02	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.7	1.57E+00	4.70E+00	—	pCi/L	—	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	139	1.37E+01	6.60E+01	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.42	9.33E+00	2.10E+01	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	60.8	1.64E+01	2.41E+02	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	109	2.37E+01	3.46E+02	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.7	4.00E+00	3.50E+01	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.396	3.47E+00	3.38E+01	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.7	2.83E+00	2.85E+01	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.27	1.10E+00	1.20E+01	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.63	2.63E+00	2.60E+01	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.57	3.23E+00	2.90E+01	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.42	2.10E+00	1.92E+01	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	3.80E+00	4.20E+01	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0234	3.67E-03	2.70E-02	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0101	1.59E-03	3.22E-02	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00226	3.77E-03	2.17E-02	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0112	2.33E-03	2.50E-02	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.034	3.67E-03	3.20E-02	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.02	3.27E-03	2.50E-02	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0143	2.80E-03	3.43E-02	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00534	3.19E-03	1.71E-02	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0136	2.17E-03	3.30E-02	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0117	1.86E-03	2.95E-02	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0136	2.61E-03	2.53E-02	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0205	2.27E-03	2.50E-02	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.054	5.00E-03	3.90E-02	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00908	2.20E-03	3.10E-02	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0143	3.04E-03	3.15E-02	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0142	2.91E-03	1.99E-02	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	35.6	6.00E+00	6.80E+01	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	33.6	6.97E+00	7.10E+01	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	—	43.2	5.50E+00	3.69E+01	—	pCi/L	—	J	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.16	8.67E+00	9.00E+01	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.94	6.00E+00	6.00E+01	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.8	6.00E+00	5.70E+01	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.6	8.27E+00	3.85E+01	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.4	9.97E+00	5.04E+01	—	pCi/L	U	U	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.273	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.49	5.93E-01	6.46E+00	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.848	3.90E-01	4.05E+00	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.802	5.67E-01	5.90E+00	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.26	5.33E-01	5.60E+00	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.21	5.33E-01	5.80E+00	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.18	4.77E-01	4.28E+00	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	5.27	6.53E-01	4.41E+00	—	pCi/L	U	R	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	2.45	9.33E-02	3.20E-01	—	pCi/L	—	—	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	2.31	9.37E-02	3.78E-01	—	pCi/L	—	—	192790	GF070800G7CM01	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	07/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.174	2.80E-02	3.11E-01	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	3.42	1.37E-01	4.40E-01	—	pCi/L	—	—	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	2.8	1.03E-01	2.90E-01	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	1.7	8.33E-02	4.10E-01	—	pCi/L	—	—	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	1.89	6.07E-02	2.35E-01	—	pCi/L	—	—	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	1.81	7.30E-02	6.24E-01	—	pCi/L	—	J	166714	GU060500G7CM01	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	962	4.67E+01	2.40E+02	—	pCi/L	—	—	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	762	3.20E+01	1.50E+02	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	518	2.70E+01	1.30E+02	—	pCi/L	—	—	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	684	3.47E+01	1.77E+02	—	pCi/L	—	—	192790	GU070800G7CM01	GELC
MCO-7	4631	39	06/06/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1010	4.30E+01	1.53E+02	—	pCi/L	—	—	187406	GU070500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.223	7.67E-03	5.60E-02	—	pCi/L	—	—	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.603	2.09E-02	9.06E-02	—	pCi/L	—	—	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.595	3.31E-02	2.10E-01	—	pCi/L	—	J	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.325	1.33E-02	7.80E-02	—	pCi/L	—	—	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.405	1.53E-02	1.10E-01	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.202	7.33E-03	5.60E-02	—	pCi/L	—	—	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.502	1.78E-02	7.46E-02	—	pCi/L	—	—	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.731	3.26E-02	1.96E-01	—	pCi/L	—	—	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.018	2.03E-03	3.00E-02	—	pCi/L	U	U	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0633	9.37E-03	6.44E-02	—	pCi/L	U	U	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0872	2.24E-02	1.77E-01	—	pCi/L	U	U	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	2.83E-03	4.70E-02	—	pCi/L	U	U	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0329	4.00E-03	5.50E-02	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0161	1.93E-03	3.00E-02	—	pCi/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0335	5.17E-03	5.30E-02	—	pCi/L	U	U	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.174	1.53E-02	1.65E-01	—	pCi/L	—	J	166714	GU060500G7CM01	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.16	6.00E-03	2.90E-02	—	pCi/L	—	—	08-1712	CAMO-08-14482	GELC
MCO-7	4631	39	08/28/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.428	1.79E-02	7.15E-02	—	pCi/L	—	—	192790	GF070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.393	2.82E-02	2.24E-01	—	pCi/L	—	J	166714	GF060500G7CM02	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.251	1.10E-02	5.40E-02	—	pCi/L	—	—	10-3601	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.375	1.43E-02	5.60E-02	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.168	6.33E-03	2.90E-02	—	pCi/L	—	—	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.451	1.66E-02	5.88E-02	—	pCi/L	—	—	192790	GU070800G7CM01	GELC
MCO-7	4631	39	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.544	2.75E-02	2.08E-01	—	pCi/L	—	J	166714	GU060500G7CM01	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	24.9	—	—	2.30E+00	ug/L	—	—	10-3599	CAMO-10-22816	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	12.5	—	—	2.50E+00	ug/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.3	—	—	2.10E+00	ug/L	U	U	08-1712	CAMO-08-14483	GELC
MCO-7	4631	39	08/28/07	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	—	192790	GU070800G7CM01	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.124	—	—	1.60E-02	mg/L	—	J-	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.033	—	—	1.60E-02	mg/L	J	J-	10-3619	CAMO-10-22819	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



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	—	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	07/08/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	22.9	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	55	—	—	6.60E-01	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.9	—	—	6.60E-01	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	1.06	—	—	3.30E-02	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.06	—	—	3.30E-02	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.6	—	—	3.50E-01	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	3.50E-01	mg/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.3	—	—	3.50E-01	mg/L	—	—	10-3619	CAMO-10-22818	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
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	07/08/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.51	—	—	8.50E-02	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.74	—	—	8.50E-02	mg/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.62	—	—	8.50E-02	mg/L	—	—	10-3619	CAMO-10-22818	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

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	Magnesium	—	5.07	—	—	8.50E-02	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.54	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.54	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	11	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.9	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	13	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.6	—	—	5.00E-02	mg/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	62	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	61.9	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	63.2	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	61.5	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22818	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
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	07/08/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	496	—	—	1.00E+00	uS/cm	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	491	—	—	1.00E+00	uS/cm	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	10	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.78	—	—	1.00E-01	mg/L	—	—	10-3619	CAMO-10-22819	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

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	07/08/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	307	—	—	2.40E+00	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	302	—	—	2.40E+00	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.185	—	—	3.30E-02	mg/L	—	—	10-3618	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.133	—	—	3.30E-02	mg/L	—	—	10-3618	CAMO-10-22818	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.05	—	—	3.30E-02	mg/L	J	J	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.029	—	—	2.90E-02	mg/L	J	J	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.111	—	—	2.90E-02	mg/L	—	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	2.05	—	—	3.30E-01	mg/L	—	—	10-3618	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.96	—	—	3.30E-01	mg/L	—	—	10-3618	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.11	—	—	1.00E-02	SU	H	J-	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.07	—	—	1.00E-02	SU	H	J-	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6010B	Aluminum	—	169	—	—	6.80E+01	ug/L	J	J	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1496	CAMO-10-9292	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	128	—	—	6.80E+01	ug/L	J	J	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	362	—	—	6.80E+01	ug/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	185	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	173	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	185	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	181	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	73.6	—	—	1.50E+01	ug/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	70.6	—	—	1.50E+01	ug/L	—	—	10-3619	CAMO-10-22819	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	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	72.6	—	—	1.50E+01	ug/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	70.6	—	—	1.50E+01	ug/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.11	—	—	2.50E+00	ug/L	J	J	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.69	—	—	2.50E+00	ug/L	J	J	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	5.18	—	—	2.50E+00	ug/L	J	J	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	ug/L	J	J	10-3619	CAMO-10-22818	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	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	55.6	—	—	3.00E+01	ug/L	J	J	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	185	—	—	3.00E+01	ug/L	—	—	10-3619	CAMO-10-22818	GELC
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	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1496	CAMO-10-9292	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	4.28	—	—	2.00E+00	ug/L	J	J	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.28	—	—	2.00E+00	ug/L	J	J	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	43.7	—	—	1.00E-01	ug/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	43.7	—	—	1.00E-01	ug/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	44.6	—	—	1.00E-01	ug/L	—	—	10-3619	CAMO-10-22823	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	43.3	—	—	1.00E-01	ug/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.09	—	—	5.00E-01	ug/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	2.23	—	—	5.00E-01	ug/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.02	—	—	5.00E-01	ug/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.09	—	—	1.00E+00	ug/L	J	J	10-3619	CAMO-10-22819	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+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	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	37.6	—	—	5.30E-02	mg/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36	—	—	5.30E-02	mg/L	—	—	10-3619	CAMO-10-22819	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22819	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
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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	155	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.701	—	—	5.00E-02	ug/L	—	J	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.71	—	—	5.00E-02	ug/L	—	J	10-3619	CAMO-10-22819	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

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	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	07/08/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.737	—	—	5.00E-02	ug/L	—	J	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.735	—	—	5.00E-02	ug/L	—	J	10-3619	CAMO-10-22818	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	07/08/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.79	—	—	1.00E+00	ug/L	J	J	10-3619	CAMO-10-22821	GELC
MCO-7.5	4661	35	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.6	—	—	1.00E+00	ug/L	J	J	10-3619	CAMO-10-22819	GELC
MCO-7.5	4661	35	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.55	—	—	1.00E+00	ug/L	J	U	10-1496	CAMO-10-9292	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	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	Vanadium	—	2	—	—	1.00E+00	ug/L	J	J	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.1	—	—	1.00E+00	ug/L	J	J	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.85	—	—	1.00E+00	ug/L	J	J	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.1	—	—	1.00E+00	ug/L	J	J	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.84	—	—	1.00E+00	ug/L	J	U	10-1497	CAMO-10-9293	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.21	—	—	1.00E+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	Vanadium	—	2.1	—	—	1.00E+00	ug/L	J	J	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.2	—	—	1.00E+00	ug/L	J	J	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0249	4.67E-03	3.90E-02	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0423	4.27E-03	4.15E-02	—	pCi/L	—	J	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.11	6.27E-03	2.41E-02	—	pCi/L	—	—	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.0141	1.77E-03	3.00E-02	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00728	1.50E-03	2.90E-02	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0175	1.70E-03	2.50E-02	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0214	3.20E-03	3.50E-02	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0493	3.73E-03	4.27E-02	—	pCi/L	—	J	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.097	5.13E-03	2.26E-02	—	pCi/L	—	—	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.752	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.568	4.57E-01	4.55E+00	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.21	6.70E-01	6.07E+00	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-0.0749	6.67E-01	6.70E+00	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.621	4.67E-01	4.60E+00	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.434	2.23E-01	2.20E+00	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.441	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.51	5.03E-01	5.24E+00	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.343	3.63E-01	3.94E+00	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.39	4.67E-01	5.10E+00	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.64	4.37E-01	3.57E+00	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.47	3.87E-01	7.35E+00	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.603	6.67E-01	6.80E+00	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.16	5.00E-01	4.70E+00	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.177	2.37E-01	2.30E+00	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.438	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.3	4.10E-01	3.95E+00	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.354	4.50E-01	5.14E+00	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.187	2.60E-01	3.00E+00	—	pCi/L	U	U, J-	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	2.09	2.78E-01	2.28E+00	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	09/13/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.25	2.19E-01	2.47E+00	—	pCi/L	U	U	145579	GF05090G57M01	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	07/08/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.49	2.57E-01	2.10E+00	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.03	2.77E-01	2.10E+00	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.96	3.33E-01	2.90E+00	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.83	3.13E-01	2.92E+00	—	pCi/L	U	J-, U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.841	2.48E-01	2.93E+00	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	09/13/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.4	3.22E-01	2.57E+00	—	pCi/L	U	U	145579	GU05090G57M01	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	18.4	6.90E-01	2.69E+00	—	pCi/L	—	J-	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	15.9	3.60E-01	2.83E+00	—	pCi/L	—	—	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	09/13/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	23.1	4.03E-01	2.57E+00	—	pCi/L	—	—	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	14	6.33E-01	3.00E+00	—	pCi/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	16.7	7.00E-01	2.80E+00	—	pCi/L	—	—	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	16.1	7.33E-01	3.90E+00	—	pCi/L	—	—	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	17.4	6.73E-01	2.81E+00	—	pCi/L	—	J-	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	16.8	3.28E-01	2.22E+00	—	pCi/L	—	—	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	09/13/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	19.9	4.10E-01	2.60E+00	—	pCi/L	—	—	145579	GU05090G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	9.48	5.00E+00	2.60E+01	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	62.8	4.13E+01	2.08E+02	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	108	3.50E+01	3.48E+02	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	—	452	2.10E+01	2.50E+02	—	pCi/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.64	1.00E+00	5.40E+00	—	pCi/L	—	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	182	1.87E+01	9.70E+01	—	pCi/L	—	—	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	5.51	3.67E+00	2.40E+01	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	59.9	1.54E+01	1.63E+02	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	102	3.37E+01	3.47E+02	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.22	3.67E+00	3.50E+01	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.1	3.73E+00	3.50E+01	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.4	3.63E+00	3.67E+01	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	2.35	1.30E+00	1.30E+01	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.55	9.33E-01	9.60E+00	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	29.9	2.87E+00	1.60E+01	—	pCi/L	UI	R	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-28.2	4.00E+00	3.00E+01	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.6	3.57E+00	3.30E+01	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.34	2.69E+00	2.74E+01	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.83E-03	2.40E-02	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0199	8.27E-03	1.16E-01	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00484	1.14E-03	2.32E-02	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0	7.67E-04	2.10E-02	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00617	1.03E-03	2.10E-02	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00839	2.80E-03	6.30E-02	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00837	2.30E-03	2.30E-02	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0135	1.79E-03	3.24E-02	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0148	1.96E-03	1.77E-02	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0209	2.20E-03	3.00E-02	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00992	1.66E-03	1.11E-01	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00484	1.98E-03	2.71E-02	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00807	1.43E-03	2.20E-02	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00154	1.53E-03	2.10E-02	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00839	3.33E-03	7.70E-02	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00836	1.27E-03	2.90E-02	—	pCi/L	U	U	08-1690	CAMO-08-14486	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	08/29/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.25E-03	2.97E-02	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0129	1.85E-03	2.06E-02	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	17.2	6.00E+00	6.60E+01	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	20.7	7.40E+00	4.57E+01	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	52.7	6.07E+00	3.95E+01	—	pCi/L	UI	R	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-29.1	8.33E+00	7.90E+01	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.2	6.33E+00	6.90E+01	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	22	5.00E+00	2.20E+01	—	pCi/L	UI	R	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.2	7.33E+00	4.20E+01	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.3	6.10E+00	5.64E+01	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.8	8.07E+00	5.34E+01	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.299	4.33E-01	4.50E+00	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.39	5.13E-01	5.00E+00	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.36	6.27E-01	6.34E+00	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-2.65	6.67E-01	6.20E+00	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.868	4.67E-01	4.20E+00	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.518	2.53E-01	2.40E+00	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.07	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.51	5.47E-01	5.82E+00	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.88	4.87E-01	5.87E+00	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.058	4.33E-02	4.50E-01	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0748	1.76E-02	1.74E-01	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0917	3.23E-02	5.15E-01	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.301	4.33E-02	4.70E-01	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.337	5.00E-02	4.80E-01	—	pCi/L	U	U	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.215	4.00E-02	4.00E-01	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.115	3.67E-02	4.40E-01	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.082	2.26E-02	2.84E-01	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.04	2.55E-02	3.89E-01	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	748	4.00E+01	2.40E+02	—	pCi/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	798	4.00E+01	2.40E+02	—	pCi/L	—	—	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1110	4.67E+01	2.00E+02	—	pCi/L	—	—	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	734	3.33E+01	1.30E+02	—	pCi/L	—	—	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	931	4.17E+01	1.71E+02	—	pCi/L	—	—	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	06/07/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1300	5.07E+01	1.38E+02	—	pCi/L	—	—	187530	GU070500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.303	1.07E-02	7.80E-02	—	pCi/L	—	—	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.452	1.70E-02	9.03E-02	—	pCi/L	—	—	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.347	1.21E-02	4.70E-02	—	pCi/L	—	—	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.308	1.30E-02	8.40E-02	—	pCi/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.28	1.20E-02	8.10E-02	—	pCi/L	—	—	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.267	1.00E-02	7.80E-02	—	pCi/L	—	—	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.273	1.07E-02	9.20E-02	—	pCi/L	—	—	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.422	1.82E-02	1.14E-01	—	pCi/L	—	—	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.435	1.35E-02	4.49E-02	—	pCi/L	—	—	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0336	3.30E-03	4.20E-02	—	pCi/L	U	U	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0135	3.37E-03	6.42E-02	—	pCi/L	U	U	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	3.24E-03	3.97E-02	—	pCi/L	U	U	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.00407	1.37E-03	5.10E-02	—	pCi/L	U	U	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00388	2.90E-03	4.90E-02	—	pCi/L	U	U	10-3619	CAMO-10-22818	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	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0151	2.40E-03	3.80E-02	—	pCi/L	U	U	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0165	3.67E-03	4.90E-02	—	pCi/L	U	U	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00567	4.23E-03	8.08E-02	—	pCi/L	U	U	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0186	3.47E-03	3.79E-02	—	pCi/L	U	U	166962	GU060500G57M01	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.253	9.67E-03	4.10E-02	—	pCi/L	—	—	08-1690	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/29/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.423	1.61E-02	7.12E-02	—	pCi/L	—	—	192874	GF070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.338	1.15E-02	5.00E-02	—	pCi/L	—	—	166962	GF060500G57M01	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.204	1.00E-02	5.90E-02	—	pCi/L	—	—	10-3619	CAMO-10-22823	GELC
MCO-7.5	4661	35	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.204	9.67E-03	5.60E-02	—	pCi/L	—	—	10-3619	CAMO-10-22818	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.212	8.67E-03	3.90E-02	—	pCi/L	—	—	09-2791	CAMO-09-9516	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.235	9.67E-03	4.80E-02	—	pCi/L	—	—	08-1690	CAMO-08-14486	GELC
MCO-7.5	4661	35	08/29/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.408	1.73E-02	8.97E-02	—	pCi/L	—	—	192874	GU070800G57M01	GELC
MCO-7.5	4661	35	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.413	1.29E-02	4.77E-02	—	pCi/L	—	—	166962	GU060500G57M01	GELC
MCOI-4	5981	499	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.4	—	—	7.30E-01	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.9	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.038	—	—	1.60E-02	mg/L	J	J-	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.055	—	—	1.60E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.033	—	—	1.60E-02	mg/L	J	J-	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0624	—	—	1.60E-02	mg/L	—	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.408	—	—	6.60E-02	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.408	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.8	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.7	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.9	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	17.8	—	—	6.60E-01	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.5	—	—	1.30E-01	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.176	—	—	3.30E-02	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.219	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16727	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
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	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.3	—	—	3.50E-01	mg/L	—	—	10-3605	CAMO-10-22831	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	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86.3	—	—	3.50E-01	mg/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.9	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.16	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	8.95	—	—	2.50E-01	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.4	—	—	2.50E-01	mg/L	—	J	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	58.5	—	—	5.00E+00	ug/L	—	J+	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	51.7	—	—	5.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.67	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.716	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.697	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.695	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.7	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.4	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.4	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16726	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

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	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	290	—	—	1.00E+00	uS/cm	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	285	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.6	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16727	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
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	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	262	—	—	2.40E+00	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	246	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.822	—	—	3.30E-01	mg/L	J	J	10-3604	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.619	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16726	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.1	—	—	3.30E-01	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.03	—	—	3.30E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.25	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.7	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.7	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22	—	—	1.50E+01	ug/L	J	J	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	1.50E+01	ug/L	J	J	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.83	—	—	2.50E+00	ug/L	J	J	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.22	—	—	2.50E+00	ug/L	J	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.9	—	—	2.50E+00	ug/L	J	U	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.59	—	—	2.50E+00	ug/L	J	J	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.94	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9528	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.37	—	—	2.50E+00	ug/L	J	J	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.5	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10.5	—	—	2.50E+00	ug/L	—	U	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.37	—	—	2.50E+00	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.45	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.3	—	—	3.00E+00	ug/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	19.1	—	—	3.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.9	—	—	3.00E+00	ug/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	24.9	—	—	3.00E+00	ug/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	49.5	—	—	3.00E+01	ug/L	J	J	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1442	CAMO-10-9311	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	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	93.8	—	—	3.00E+01	ug/L	J	J	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	3.67	—	—	5.00E-01	ug/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.19	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.41	—	—	5.00E-01	ug/L	J	J	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.85	—	—	5.00E-01	ug/L	—	—	10-3024	CAMO-10-16726	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
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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.753	—	—	1.00E-01	ug/L	—	J	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.681	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.682	—	—	1.00E-01	ug/L	—	J	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.809	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	ug/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.14	—	—	5.00E-01	ug/L	—	—	10-3024	CAMO-10-16727	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

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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	ug/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.95	—	—	5.00E-01	ug/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	5.30E-02	mg/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Silver	—	0.213	—	—	2.00E-01	ug/L	J	J	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-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	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	—	0.362	—	—	2.00E-01	ug/L	J	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	134	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.11	—	—	1.00E+00	ug/L	J	J	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3024	CAMO-10-16727	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	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3024	CAMO-10-16726	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.8	—	—	3.30E+00	ug/L	—	—	10-3605	CAMO-10-22831	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.3	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16727	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
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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.5	—	—	3.30E+00	ug/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.4	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16726	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	08/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00305	8.67E-04	2.60E-02	—	pCi/L	U	U	08-1719	CAMO-08-14494	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	08/24/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00745	2.60E-03	3.27E-02	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00581	2.68E-03	4.97E-02	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00505	1.17E-03	3.30E-02	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0014	7.00E-04	2.50E-02	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00599	1.53E-03	2.90E-02	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0000633	2.05E-03	3.23E-02	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00564	2.64E-03	4.91E-02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.05	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.479	6.17E-01	4.68E+00	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.966	4.30E-01	4.39E+00	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.105	6.33E-01	6.60E+00	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.21	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.05	4.33E-01	3.90E+00	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.673	4.67E-01	4.77E+00	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.158	3.93E-01	3.79E+00	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.23	5.33E-01	4.60E+00	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.62	4.73E-01	3.95E+00	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.708	4.33E-01	4.64E+00	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.157	4.67E-01	4.80E+00	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.27	3.67E-01	3.30E+00	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.846	5.33E-01	5.20E+00	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.63	5.33E-01	4.74E+00	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.217	3.43E-01	3.97E+00	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.84	3.40E-01	2.79E+00	—	pCi/L	—	J	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.273	7.53E-02	1.06E+00	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	09/13/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.354	1.17E-01	1.96E+00	—	pCi/L	U	U	145579	GF05090GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.35	5.33E-01	2.60E+00	—	pCi/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.12	1.63E-01	1.50E+00	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-1.1	1.75E-01	2.68E+00	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.171	1.86E-01	2.68E+00	—	pCi/L	U	U, J-	166310	GU060500GMC401	GELC
MCOI-4	5981	499	09/13/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.435	1.33E-01	2.08E+00	—	pCi/L	U	U	145579	GU05090GMC401	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.785	2.55E-01	2.58E+00	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.4	2.15E-01	2.20E+00	—	pCi/L	—	J	166310	GF060500GMC401	GELC
MCOI-4	5981	499	09/13/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.35	2.40E-01	2.52E+00	—	pCi/L	—	J	145579	GF05090GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	36	1.23E+00	2.90E+00	—	pCi/L	—	—	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.88	3.00E-01	2.90E+00	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.43	2.86E-01	2.97E+00	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.36	1.84E-01	1.79E+00	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	09/13/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	3.14	2.96E-01	3.34E+00	—	pCi/L	U	U	145579	GU05090GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11.7	4.67E+00	2.10E+01	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	71.1	2.19E+01	1.67E+02	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	79.6	2.31E+01	2.84E+02	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.47	6.00E-01	3.30E+00	—	pCi/L	—	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	62.1	5.67E+01	7.70E+01	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.27	3.33E-01	1.60E+01	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	74.4	3.63E+01	2.66E+02	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	103	3.40E+01	4.59E+02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.05	3.67E+00	3.50E+01	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-15	3.83E+00	3.18E+01	—	pCi/L	U	U	192498	GF070800GMC401	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	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.38	1.88E+00	1.95E+01	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6	9.00E-01	9.90E+00	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.1	3.33E+00	3.00E+01	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.1	3.67E+00	3.60E+01	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.49	4.80E+00	3.02E+01	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.62	2.79E+00	2.67E+01	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00201	3.67E-03	2.80E-02	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00483	2.22E-03	3.09E-02	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.07E-04	1.60E-02	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00152	5.00E-04	2.00E-02	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00186	8.67E-04	2.80E-02	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00636	3.67E-03	3.00E-02	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00408	2.55E-03	3.92E-02	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00196	1.13E-03	1.90E-02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00602	2.00E-03	3.40E-02	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00322	9.30E-04	2.84E-02	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00171	9.87E-04	1.90E-02	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00456	1.13E-03	2.10E-02	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00372	1.23E-03	3.40E-02	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00847	2.43E-03	3.60E-02	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00816	1.93E-03	3.59E-02	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00196	1.13E-03	2.20E-02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.9	6.33E+00	6.10E+01	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	17.4	5.43E+00	5.67E+01	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	6.37	3.93E+00	4.60E+01	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.5	7.33E+00	7.60E+01	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-24.7	5.67E+00	5.20E+01	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24.1	5.67E+00	5.80E+01	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24.7	6.30E+00	6.07E+01	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.03	8.17E+00	3.79E+01	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.936	5.00E-01	4.40E+00	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.741	4.27E-01	4.01E+00	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.54	5.03E-01	5.17E+00	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3	4.33E-01	2.80E+00	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.487	4.00E-01	4.00E+00	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.11	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.863	4.87E-01	5.03E+00	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.386	3.77E-01	4.34E+00	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.126	4.00E-02	4.20E-01	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.118	2.61E-02	2.73E-01	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0248	2.97E-02	4.51E-01	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.158	4.67E-02	4.80E-01	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.093	3.00E-02	3.70E-01	—	pCi/L	U	U	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	2.07	8.00E-02	2.90E-01	—	pCi/L	—	—	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0866	2.32E-02	2.43E-01	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.138	2.38E-02	4.19E-01	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0705	4.00E-03	5.40E-02	—	pCi/L	—	—	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0654	4.33E-03	4.77E-02	—	pCi/L	—	J	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0485	6.77E-03	7.78E-02	—	pCi/L	U	U	166310	GF060500GMC401	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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0615	4.67E-03	6.60E-02	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0153	2.40E-03	6.60E-02	—	pCi/L	U	UJ	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0695	4.00E-03	5.40E-02	—	pCi/L	—	—	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0875	4.60E-03	4.72E-02	—	pCi/L	—	J	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0645	7.10E-03	6.73E-02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0174	1.97E-03	2.90E-02	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.94E-03	3.39E-02	—	pCi/L	U	U	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-1.1E-09	3.07E-03	6.56E-02	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00961	1.87E-03	4.00E-02	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00428	2.00E-03	3.20E-02	—	pCi/L	U	UJ	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0137	1.73E-03	2.90E-02	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00235	2.35E-03	3.35E-02	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00399	4.80E-03	5.68E-02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0266	2.43E-03	2.80E-02	—	pCi/L	U	U	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/24/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0385	3.70E-03	3.76E-02	—	pCi/L	—	J	192498	GF070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0373	5.33E-03	8.28E-02	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0389	3.67E-03	4.60E-02	—	pCi/L	U	U	10-3605	CAMO-10-22832	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0208	2.50E-03	3.30E-02	—	pCi/L	U	UJ	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0269	2.23E-03	2.80E-02	—	pCi/L	U	U	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	08/24/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.019	2.56E-03	3.72E-02	—	pCi/L	U	U	192498	GU070800GMC401	GELC
MCOI-4	5981	499	06/27/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0452	5.97E-03	7.16E-02	—	pCi/L	U	U	166310	GU060500GMC401	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53	—	—	7.30E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.1	—	—	7.30E-01	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.036	—	—	1.60E-02	mg/L	J	J-	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.071	—	—	1.60E-02	mg/L	—	U	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.045	—	—	1.60E-02	mg/L	J	U	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0233	—	—	1.60E-02	mg/L	J	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.143	—	—	6.60E-02	mg/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.137	—	—	6.60E-02	mg/L	J	J	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.4	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.52	—	—	6.60E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.21	—	—	6.60E-02	mg/L	—	—	10-3007	CAMO-10-16734	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



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	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.187	—	—	3.30E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	3.30E-02	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.3	—	—	3.50E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.7	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.7	—	—	3.50E-01	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16735	GELC
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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.93	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.28	—	—	2.50E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.18	—	—	2.50E-01	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	97.6	—	—	1.00E+01	ug/L	—	J+	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	91.9	—	—	1.00E+01	ug/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.513	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.553	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.499	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.592	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16734	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	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.5	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	205	—	—	1.00E+00	uS/cm	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	201	—	—	1.00E+00	uS/cm	—	—	10-3007	CAMO-10-16734	GELC
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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.2	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.687	—	—	3.30E-01	mg/L	J	J	10-3604	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.399	—	—	3.30E-01	mg/L	J	J	10-3006	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3007	CAMO-10-16734	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	145	—	—	6.80E+01	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+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	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	83.3	—	—	6.80E+01	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+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	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.5	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22836	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	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.9	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	1.50E+01	ug/L	J	J	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.9	—	—	1.50E+01	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.29	—	—	2.50E+00	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.06	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16734	GELC
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	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
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	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	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	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	ug/L	—	—	10-3007	CAMO-10-16735	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1413	CAMO-10-9316	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	3.00E+01	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	3.00E+01	ug/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.26	—	—	1.00E-01	ug/L	—	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.72	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.45	—	—	1.00E-01	ug/L	—	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.92	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	ug/L	J	J	10-3007	CAMO-10-16734	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

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	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.96	—	—	5.00E-01	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.6	—	—	5.30E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	5.30E-02	mg/L	—	—	10-3007	CAMO-10-16734	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
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.3	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	96.5	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.1	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.1	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16735	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.22	—	—	1.00E+00	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	ug/L	J	J	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.18	—	—	1.00E+00	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.08	—	—	1.00E+00	ug/L	J	J	10-3007	CAMO-10-16735	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.16	—	—	3.30E+00	ug/L	J	J	10-3007	CAMO-10-16734	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.79	—	—	3.30E+00	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	3.30E+00	ug/L	—	—	10-3007	CAMO-10-16735	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	08/18/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0107	1.70E-03	2.90E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00083	4.30E-04	3.90E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0179	3.43E-03	4.04E-02	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000402	1.27E-03	3.50E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0024	8.67E-04	4.50E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00151	1.47E-03	2.80E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00142	5.83E-04	4.18E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00464	3.50E-03	4.29E-02	—	pCi/L	U	U	166076	GU060500GMC501	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	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.753	4.00E-01	3.70E+00	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.945	5.53E-01	4.89E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.68	4.53E-01	4.34E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.21	5.33E-01	5.90E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3	4.67E-01	3.90E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.082	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.41	4.67E-01	4.62E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.6	4.57E-01	4.70E+00	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.473	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.457	4.27E-01	4.30E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.623	5.37E-01	5.02E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.355	6.33E-01	6.30E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.265	4.33E-01	4.10E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.843	5.00E-01	4.40E+00	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.93	5.03E-01	3.77E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.56	8.17E-01	7.65E+00	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.822	1.93E-01	1.95E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.33	1.58E-01	2.16E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	09/09/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0348	1.27E-01	2.27E+00	—	pCi/L	U	U	145267	GF05090GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.172	1.80E-01	2.60E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.82	1.33E-01	1.20E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.194	2.10E-01	2.44E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.1	2.82E-01	3.10E+00	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	09/09/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.147	2.20E-01	3.18E+00	—	pCi/L	U	U	145267	GU05090GMC501	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.61	3.00E-01	2.90E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.88	2.42E-01	2.98E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	09/09/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.5	2.19E-01	2.50E+00	—	pCi/L	U	U	145267	GF05090GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.11	3.67E-01	3.00E+00	—	pCi/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.98	2.53E-01	2.20E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.09	3.10E-01	2.95E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.6	2.53E-01	2.85E+00	—	pCi/L	—	J	166076	GU060500GMC501	GELC
MCOI-5	5721	689	09/09/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.92	2.28E-01	2.56E+00	—	pCi/L	U	U	145267	GU05090GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	34.8	8.00E+00	3.70E+01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	103	3.02E+01	3.21E+02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	80.4	2.06E+01	2.78E+02	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.29	4.33E-01	1.10E+01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	179	1.70E+01	1.50E+02	—	pCi/L	—	—	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.7	7.67E+00	1.50E+01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	57.4	2.10E+01	1.94E+02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	108	3.31E+01	2.68E+02	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.1	3.67E+00	3.10E+01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.04	3.27E+00	3.14E+01	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	26.1	3.83E+00	3.50E+01	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.15	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	29.6	4.67E+00	3.50E+01	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.27	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.36	3.08E+00	2.89E+01	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.7	3.40E+00	3.62E+01	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00163	2.50E-03	2.30E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	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	08/23/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00432	1.02E-03	4.14E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.30E-04	2.26E-02	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00159	7.33E-04	2.10E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.33E-04	2.80E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0242	2.67E-03	3.10E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00257	8.57E-04	4.92E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00372	2.91E-03	1.78E-02	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00163	2.10E-03	2.80E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00431	1.02E-03	3.80E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00189	1.89E-03	2.48E-02	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00159	1.20E-03	2.20E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	6.00E-04	3.40E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0022	1.93E-03	3.70E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.21E-03	4.52E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0111	1.96E-03	2.08E-02	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.54	4.33E+00	4.20E+01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.1	5.40E+00	3.23E+01	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.56	6.83E+00	6.69E+01	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.9	6.67E+00	7.00E+01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	50.4	4.67E+00	5.50E+01	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.82	5.67E+00	5.80E+01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.96	4.77E+00	4.54E+01	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.43	5.60E+00	6.77E+01	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.15	4.33E-01	3.10E+00	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.01	4.03E-01	3.07E+00	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.791	4.50E-01	4.08E+00	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.16	6.00E-01	5.30E+00	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.71	3.67E-01	3.10E+00	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.82	4.00E-01	3.40E+00	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.242	3.37E-01	2.78E+00	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.929	4.73E-01	6.03E+00	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.391	5.33E-02	4.80E-01	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.133	2.57E-02	3.10E-01	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.327	4.00E-02	4.65E-01	—	pCi/L	U	J-, U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.368	5.00E-02	4.70E-01	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.11	5.00E-02	4.90E-01	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0919	3.67E-02	3.90E-01	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0572	1.97E-02	2.08E-01	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.152	2.76E-02	4.32E-01	—	pCi/L	U	J-, U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.107	7.00E-03	1.00E-01	—	pCi/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0871	7.90E-03	4.46E-02	—	pCi/L	—	J	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.152	8.33E-03	8.33E-02	—	pCi/L	—	J	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.126	7.00E-03	6.80E-02	—	pCi/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0873	5.67E-03	8.20E-02	—	pCi/L	—	—	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.121	5.00E-03	5.10E-02	—	pCi/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.111	8.07E-03	4.49E-02	—	pCi/L	—	J	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.276	1.08E-02	8.23E-02	—	pCi/L	—	—	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	2.77E-03	5.50E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00874	3.30E-03	3.81E-02	—	pCi/L	U	U	192433	GF070800GMC501	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	06/26/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	2.43E-03	4.04E-02	—	pCi/L	U	U	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	2.47E-03	4.10E-02	—	pCi/L	U	U	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00264	1.97E-03	4.00E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0166	2.07E-03	2.70E-02	—	pCi/L	U	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	3.57E-03	3.84E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00638	3.01E-03	3.99E-02	—	pCi/L	U	U	166076	GU060500GMC501	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0418	4.00E-03	5.40E-02	—	pCi/L	U	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/23/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.00498	4.97E-03	5.96E-02	—	pCi/L	U	U	192433	GF070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.102	6.17E-03	4.67E-02	—	pCi/L	—	J	166076	GF060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0976	6.00E-03	4.70E-02	—	pCi/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0214	4.67E-03	4.00E-02	—	pCi/L	U	U	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0492	3.07E-03	2.70E-02	—	pCi/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/23/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0141	4.60E-03	6.00E-02	—	pCi/L	U	U	192433	GU070800GMC501	GELC
MCOI-5	5721	689	06/26/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.173	8.10E-03	4.61E-02	—	pCi/L	—	—	166076	GU060500GMC501	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	—	6.97	—	—	3.00E+00	ug/L	J	J	10-3604	CAMO-10-22836	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-2806	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-1718	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-850	CAMO-09-2599	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.4	—	—	7.30E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.1	—	—	7.30E-01	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.036	—	—	1.60E-02	mg/L	J	J-	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.086	—	—	1.60E-02	mg/L	—	U	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.022	—	—	1.60E-02	mg/L	J	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.051	—	—	1.60E-02	mg/L	—	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.673	—	—	6.60E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.64	—	—	6.60E-02	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.3	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.4	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.3	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.7	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.2	—	—	6.60E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.3	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16738	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

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	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.418	—	—	3.30E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.477	—	—	3.30E-02	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	231	—	—	3.50E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	231	—	—	3.50E-01	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	214	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16737	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
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	8.50E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	8.50E-02	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.73	—	—	2.50E-01	mg/L	—	J-	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.9	—	—	2.50E-01	mg/L	—	J	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	81.4	—	—	1.00E+01	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	78.6	—	—	1.00E+01	ug/L	—	J+	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.8	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.874	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.811	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.86	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.1	—	—	1.00E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.8	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16738	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



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	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.1	—	—	1.00E-01	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.6	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	608	—	—	1.00E+00	uS/cm	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	uS/cm	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	66.4	—	—	1.00E+00	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	64	—	—	5.00E-01	mg/L	—	—	10-3131	CAMO-10-16738	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
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	07/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	497	—	—	2.40E+00	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	435	—	—	2.40E+00	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.25	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.62	—	—	1.00E-02	SU	H	J-	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.8	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.4	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42.9	—	—	1.50E+01	ug/L	J	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.8	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.3	—	—	1.50E+01	ug/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.5	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16737	GELC
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

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	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	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.6	—	—	2.50E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	48.7	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	51.8	—	—	2.50E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	48.8	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	14.5	—	—	3.00E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	12.1	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	13.7	—	—	3.00E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.3	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	ug/L	J	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.67	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	ug/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.69	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	ug/L	—	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.99	—	—	1.00E-01	ug/L	—	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16737	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
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	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.7	—	—	5.00E-01	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.2	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16737	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

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	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.2	—	—	5.30E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	311	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	ug/L	—	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16738	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16737	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	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.9	—	—	3.30E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.4	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.3	—	—	3.30E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	38	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16737	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	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00891	6.00E-03	3.60E-02	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00336	2.15E-03	3.11E-02	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00106	2.10E-03	4.10E-02	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	1.03E-03	3.40E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00668	1.27E-03	3.10E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00389	1.27E-03	3.22E-02	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.19	5.00E-01	4.00E+00	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.1	6.20E-01	5.15E+00	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.84	5.67E-01	5.10E+00	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.362	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0224	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.44	4.43E-01	4.31E+00	—	pCi/L	U	U	191539	GU070800GMC601	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	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.484	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0355	5.10E-01	5.01E+00	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.33	5.67E-01	4.60E+00	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.42	4.33E-01	4.90E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.8	5.33E-01	4.50E+00	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.595	4.33E-01	4.16E+00	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.55	1.55E-01	1.66E+00	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	06/29/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.431	1.69E-01	2.34E+00	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.55	4.00E-01	2.90E+00	—	pCi/L	—	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.103	1.63E-01	2.10E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.402	2.63E-01	2.97E+00	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	06/29/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.948	1.25E-01	1.22E+00	—	pCi/L	U	U	166358	GU060500GMC601	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.7	3.33E-01	2.88E+00	—	pCi/L	—	J	191539	GF070800GMC601	GELC
MCOI-6	5731	686	06/29/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.77	2.28E-01	2.80E+00	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.14	3.33E-01	2.90E+00	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.91	3.10E-01	2.90E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.37	3.20E-01	2.53E+00	—	pCi/L	—	J	191539	GU070800GMC601	GELC
MCOI-6	5731	686	06/29/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.17	2.77E-01	2.94E+00	—	pCi/L	—	J	166358	GU060500GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11.7	2.83E+00	1.80E+01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	316	4.17E+01	5.34E+02	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	33.9	5.00E+00	9.20E+01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	44.6	5.33E+00	6.20E+01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.4	7.00E-01	3.90E+00	—	pCi/L	—	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	250	2.82E+01	4.69E+02	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.9	3.33E+00	3.00E+01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	28.6	4.80E+00	3.93E+01	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.13	1.07E+00	1.00E+01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.5	3.67E+00	3.80E+01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.3	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	34.4	6.63E+00	3.72E+01	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00213	1.23E-03	3.00E-02	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00469	1.56E-03	3.00E-02	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.87E-03	2.70E-02	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00366	8.67E-04	3.20E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.00E-03	3.00E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00161	1.78E-03	3.08E-02	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00426	1.43E-03	3.60E-02	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0109	2.39E-03	2.75E-02	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00815	1.93E-03	2.80E-02	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00365	1.50E-03	3.60E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.00E-03	3.70E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00964	1.52E-03	2.83E-02	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-38.3	6.00E+00	5.50E+01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	26.4	7.17E+00	5.00E+01	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.4	6.33E+00	6.60E+01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.1	5.67E+00	5.80E+01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.9	6.00E+00	5.10E+01	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	58.2	6.23E+00	2.86E+01	—	pCi/L	UI	R	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.00E-01	4.60E+00	—	pCi/L	U	U	08-1657	CAMO-08-14501	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	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.289	6.60E-01	5.61E+00	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	5.00E-01	5.40E+00	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.34	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.622	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.72	5.03E-01	4.87E+00	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0763	1.63E-02	1.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.286	3.23E-02	4.33E-01	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0848	3.23E-02	4.10E-01	—	pCi/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0337	2.50E-02	2.60E-01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0728	2.50E-02	2.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.13	3.07E-02	3.74E-01	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.639	2.43E-02	1.90E-01	—	pCi/L	—	—	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.37	1.42E-02	4.32E-02	—	pCi/L	—	—	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.982	2.90E-02	7.00E-02	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.751	2.47E-02	1.20E-01	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.655	2.30E-02	1.50E-01	—	pCi/L	—	—	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.389	1.52E-02	4.75E-02	—	pCi/L	—	—	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0131	3.10E-03	1.00E-01	—	pCi/L	U	U	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0128	3.03E-03	3.69E-02	—	pCi/L	U	U	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0541	5.00E-03	4.20E-02	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0078	3.20E-03	5.80E-02	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	4.00E-03	8.60E-02	—	pCi/L	U	U	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.014	3.33E-03	4.05E-02	—	pCi/L	U	U	191539	GU070800GMC601	GELC
MCOI-6	5731	686	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.375	1.73E-02	9.50E-02	—	pCi/L	—	—	08-1657	CAMO-08-14501	GELC
MCOI-6	5731	686	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.141	8.53E-03	5.77E-02	—	pCi/L	—	J	191539	GF070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.432	1.53E-02	4.90E-02	—	pCi/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.325	1.37E-02	5.80E-02	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.233	1.20E-02	7.90E-02	—	pCi/L	—	—	08-1657	CAMO-08-14500	GELC
MCOI-6	5731	686	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.142	9.20E-03	6.34E-02	—	pCi/L	—	J	191539	GU070800GMC601	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.27	—	—	2.50E-01	ug/L	J	J	10-3589	CAMO-10-22837	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	07/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	128	—	—	7.30E-01	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J	10-3632	CAMO-10-22824	GELC
MT-3	5261	44	02/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.034	—	—	1.60E-02	mg/L	J	U	10-1617	CAMO-10-9299	GELC
MT-3	5261	44	02/06/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	08-599	CAMO-08-10503	GELC
MT-3	5261	44	08/16/07	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.15	—	—	1.50E-01	mg/L	U	UJ	191858	GF070800G3TM01	GELC
MT-3	5261	44	06/07/07	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.03	—	—	3.00E-02	mg/L	U	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22826	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	02/03/10	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.3	—	—	3.30E-01	mg/L	—	—	10-3632	CAMO-10-22824	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
MT-3	5261	44	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.36	—	—	3.30E-02	mg/L	—	J-	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.5	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.9	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.39	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	23.3	—	—	2.50E+00	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22824	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

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	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.4	—	—	5.00E-02	mg/L	—	—	187531	GF070600G3TM01	GELC
MT-3	5261	44	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.4	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22826	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
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	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.1	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	67.4	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	uS/cm	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	311	—	—	2.40E+00	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.73	—	—	1.00E-02	SU	H	J-	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	437	—	—	6.80E+01	ug/L	—	—	10-3632	CAMO-10-22824	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
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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3460	—	—	6.80E+01	ug/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	137	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22824	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	02/03/10	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	138	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	70.3	—	—	1.50E+01	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	66.4	—	—	1.50E+01	ug/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.62	—	—	2.50E+00	ug/L	J	J	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.63	—	—	2.50E+00	ug/L	J	J	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	152	—	—	3.00E+01	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	184	—	—	3.00E+01	ug/L	—	—	10-3632	CAMO-10-22826	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	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1617	CAMO-10-9299	GELC
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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.22	—	—	5.00E-01	ug/L	J	J	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	ug/L	J	J	10-3632	CAMO-10-22824	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	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1617	CAMO-10-9299	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	25.6	—	—	2.00E+00	ug/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	51.5	—	—	1.00E-01	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.6	—	—	1.00E-01	ug/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	5.00E-01	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.88	—	—	5.00E-01	ug/L	—	—	10-3632	CAMO-10-22826	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.4	—	—	5.30E-02	mg/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	129	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	118	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22826	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
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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22826	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

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	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.48	—	—	1.00E+00	ug/L	J	J	10-3632	CAMO-10-22824	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.1	—	—	1.00E+00	ug/L	J	J	10-3632	CAMO-10-22826	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	07/09/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1430	5.33E+01	1.10E+02	—	pCi/L	—	J-	10-3632	CAMO-10-22826	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
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.73	—	—	6.60E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.79	—	—	6.60E-02	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.128	—	—	3.30E-02	mg/L	—	J-	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	3.30E-02	mg/L	—	—	10-3007	CAMO-10-16740	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
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	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.9	—	—	3.50E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44	—	—	3.50E-01	mg/L	—	—	10-3684	CAMO-10-22844	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	05/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	8.50E-02	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.394	—	—	5.00E-02	mg/L	—	J	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.369	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.364	—	—	5.00E-02	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	uS/cm	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.43	—	—	1.00E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.5	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.338	—	—	3.30E-01	mg/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.465	—	—	3.30E-01	mg/L	J	J	10-3006	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.72	—	—	2.50E+00	ug/L	J	J	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16740	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	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.26	—	—	2.50E+00	ug/L	J	U	10-2179	CAMO-10-9727	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	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	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.66	—	—	2.50E+00	ug/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.49	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16739	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-846:6020	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.88	—	—	5.00E-01	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.6	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.1	—	—	5.00E-01	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.6	—	—	5.30E-02	mg/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	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
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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.6	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.967	—	—	5.00E-02	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.854	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.997	—	—	5.00E-02	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.897	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16739	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.05	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22843	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.25	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.53	—	—	3.30E+00	ug/L	J	J	10-3007	CAMO-10-16740	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.12	—	—	3.30E+00	ug/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.63	—	—	3.30E+00	ug/L	J	J	10-3007	CAMO-10-16739	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00514	1.50E-03	3.20E-02	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.63	5.33E-01	5.70E+00	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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
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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.973	4.67E-01	4.90E+00	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.763	1.85E-01	1.86E+00	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0488	7.77E-02	7.83E-01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.769	2.30E-01	2.50E+00	—	pCi/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.18	1.27E-01	6.70E-01	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.56	2.02E-01	1.61E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.383	1.21E-01	1.41E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	0.968	1.11E-01	8.10E-01	—	pCi/L	—	J	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3	3.29E-01	2.97E+00	—	pCi/L	—	J	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.19	1.57E-01	1.46E+00	—	pCi/L	—	J	166714	GF060500G01R01	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.204	2.43E-01	2.70E+00	—	pCi/L	U	U	10-3684	CAMO-10-22844	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:900	Gross beta	<	1.34	2.43E-01	2.30E+00	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	3.08	3.40E-01	3.09E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.23	1.79E-01	1.66E+00	—	pCi/L	—	J	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.9	1.65E-01	1.56E+00	—	pCi/L	—	J	154721	GU06010G01R01	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.64	1.63E+00	1.10E+01	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.8	9.67E-01	1.00E+01	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0031	1.47E-03	4.10E-02	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00929	2.30E-03	4.20E-02	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.3	6.33E+00	7.10E+01	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.2	4.00E-01	4.80E+00	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0194	3.33E-02	4.00E-01	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	—	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.768	2.37E-02	6.80E-02	—	pCi/L	—	—	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0262	3.17E-03	4.10E-02	—	pCi/L	U	U	10-3684	CAMO-10-22844	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.276	1.13E-02	4.70E-02	—	pCi/L	—	—	10-3684	CAMO-10-22844	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
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.4	—	—	7.30E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.1	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.206	—	—	3.30E-02	mg/L	—	J-	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.257	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16786	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



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	08/06/09	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	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.6	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.8	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.25	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.57	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.3	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC
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	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.76	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.79	—	—	5.00E-02	mg/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	ug/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.86	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16787	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

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	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	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	141	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.08	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.09	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40E+00	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.432	—	—	3.30E-01	mg/L	J	J	10-3666	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3076	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	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	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+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	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.9	—	—	1.50E+01	ug/L	J	J	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+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	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.54	—	—	2.50E+00	ug/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.99	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16786	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

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	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.17	—	—	2.50E+00	ug/L	J	J	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.88	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.07	—	—	2.00E+00	ug/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	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	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.966	—	—	1.00E-01	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.03	—	—	1.00E-01	ug/L	—	U	10-3077	CAMO-10-16786	GELC
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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.04	—	—	1.00E-01	ug/L	—	U	10-3077	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.572	—	—	5.00E-01	ug/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.794	—	—	5.00E-01	ug/L	—	U	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.727	—	—	5.00E-01	ug/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16786	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.6	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	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

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	08/06/09	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.335	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16787	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.83	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.99	—	—	1.00E+00	ug/L	J	J	10-3077	CAMO-10-16786	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.91	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00378	8.67E-04	3.40E-02	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.04	6.33E-01	6.50E+00	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.51	5.67E-01	5.80E+00	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.281	1.61E-01	2.05E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0336	1.39E-01	2.17E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.747	2.07E-01	2.20E+00	—	pCi/L	U	U	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	11.1	6.00E-01	2.50E+00	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.25	1.17E-01	2.12E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0249	1.77E-01	2.72E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.241	1.07E-01	1.38E+00	—	pCi/L	U	U	114827	GU04060G31R01	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	F	CS	—	Rad	EPA:900	Gross beta	<	1.1	2.93E-01	2.91E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.109	1.54E-01	2.05E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.62	2.93E-01	2.80E+00	—	pCi/L	U	U	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	14.5	1.03E+00	6.90E+00	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.376	2.07E-01	2.12E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.177	1.52E-01	2.10E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.579	1.26E-01	1.48E+00	—	pCi/L	U	U	114827	GU04060G31R01	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	27	3.67E+00	2.30E+01	—	pCi/L	—	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.31	9.67E-01	9.70E+00	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0113	2.27E-03	3.00E-02	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0136	4.00E-03	3.10E-02	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.51	6.67E+00	7.10E+01	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.349	5.67E-01	5.70E+00	—	pCi/L	U	U	10-3667	CAMO-10-22848	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

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	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	07/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0338	4.67E-02	4.90E-01	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.291	1.13E-02	6.50E-02	—	pCi/L	—	—	10-3667	CAMO-10-22848	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
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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0125	2.10E-03	3.90E-02	—	pCi/L	U	U	10-3667	CAMO-10-22848	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	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.106	6.33E-03	4.50E-02	—	pCi/L	—	—	10-3667	CAMO-10-22848	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-14	8571	1200.6	07/01/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.9	—	—	7.30E-01	mg/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.039	—	—	1.60E-02	mg/L	J	J-	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.034	—	—	1.60E-02	mg/L	J	U	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.111	—	—	1.60E-02	mg/L	—	U	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.023	—	—	1.60E-02	mg/L	J	J-	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0238	—	—	1.60E-02	mg/L	J	U	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	1.53	—	—	6.60E-02	mg/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.53	—	—	6.60E-02	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.59	—	—	6.60E-02	mg/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.153	—	—	3.30E-02	mg/L	—	J-	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.142	—	—	3.30E-02	mg/L	—	J-	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.162	—	—	3.30E-02	mg/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.313	—	—	5.00E-02	mg/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.317	—	—	5.00E-02	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.337	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.307	—	—	5.00E-02	ug/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.284	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	uS/cm	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	uS/cm	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	1.96	—	—	1.00E-01	mg/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.96	—	—	1.00E-01	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.96	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-3003	CAMO-10-16754	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	07/01/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.452	—	—	3.30E-01	mg/L	J	J	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.408	—	—	3.30E-01	mg/L	J	J	10-3544	CAMO-10-22851	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3002	CAMO-10-16752	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	07/01/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3003	CAMO-10-16754	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	07/01/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	67.5	—	—	5.30E-02	mg/L	—	—	10-3544	CAMO-10-22852	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.9	—	—	5.30E-02	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	85.8	—	—	5.30E-02	mg/L	—	—	10-3003	CAMO-10-16754	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

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	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	—	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	07/01/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00214	6.67E-04	3.40E-02	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00131	9.33E-04	3.80E-02	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-1.84	5.67E-01	4.90E+00	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.91	4.67E-01	5.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	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
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	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	07/01/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-1.07	6.00E-01	5.90E+00	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.1	5.33E-01	4.70E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.14	1.43E-01	1.10E+00	—	pCi/L	—	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	-0.013	1.40E-01	2.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.616	2.00E-01	2.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.901	1.77E-01	1.60E+00	—	pCi/L	U	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.941	1.20E-01	1.10E+00	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.14	1.97E-01	9.60E-01	—	pCi/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.2	3.03E-01	2.70E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.57	2.47E-01	2.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.5	2.40E-01	2.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.96	3.67E-01	2.40E+00	—	pCi/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.67	4.67E-01	4.00E+00	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5	4.00E-01	2.90E+00	—	pCi/L	—	—	09-1789	CAMO-09-8207	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	07/01/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	4.09	5.33E-01	1.10E+01	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	1.95	4.33E-01	9.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-2.53	1.00E+00	9.70E+00	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.81	1.00E+00	9.40E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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



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	07/01/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00376	1.10E-03	2.50E-02	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00447	2.10E-03	3.00E-02	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00376	1.53E-03	2.60E-02	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.66E-10	1.50E-03	3.00E-02	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	17.2	6.67E+00	7.30E+01	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29.9	7.33E+00	7.90E+01	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.352	5.67E-01	5.30E+00	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.786	5.33E-01	5.10E+00	—	pCi/L	U	U	10-3544	CAMO-10-22851	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
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	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	07/01/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.385	5.00E-02	4.60E-01	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.459	5.67E-02	5.00E-01	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.492	1.63E-02	6.10E-02	—	pCi/L	—	—	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.534	1.73E-02	6.10E-02	—	pCi/L	—	—	10-3544	CAMO-10-22851	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	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	07/01/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0117	2.40E-03	3.70E-02	—	pCi/L	U	U	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0207	2.63E-03	3.70E-02	—	pCi/L	U	U	10-3544	CAMO-10-22851	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	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

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	07/01/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.254	1.00E-02	4.20E-02	—	pCi/L	—	—	10-3544	CAMO-10-22854	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.263	1.03E-02	4.30E-02	—	pCi/L	—	—	10-3544	CAMO-10-22851	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-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.1	—	—	7.30E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	7.30E-01	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.046	—	—	1.60E-02	mg/L	J	J-	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.017	—	—	1.60E-02	mg/L	J	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.044	—	—	1.60E-02	mg/L	J	J-	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.08	—	—	6.60E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.188	—	—	3.30E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	3.30E-02	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.4	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.7	—	—	3.50E-01	mg/L	—	—	10-3193	CAMO-10-16760	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
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	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.3	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.1	—	—	3.50E-01	mg/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	8.50E-02	mg/L	—	—	10-3193	CAMO-10-16760	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

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	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.22	—	—	5.00E-02	mg/L	—	J	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.13	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.29	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.02	—	—	5.00E-01	ug/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	162	—	—	1.00E+00	uS/cm	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.22	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.98	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
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	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3193	CAMO-10-16760	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: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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.462	—	—	3.30E-01	mg/L	J	J	10-3697	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.533	—	—	3.30E-01	mg/L	J	J	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.1	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.50E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.7	—	—	2.50E+00	ug/L	J	J	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.50E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.21	—	—	2.50E+00	ug/L	J	J	10-3193	CAMO-10-16759	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	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	40.4	—	—	3.00E+01	ug/L	J	U	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	155	—	—	3.00E+01	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	578	—	—	3.00E+01	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1823	CAMO-10-9324	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	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	9.09	—	—	5.00E-01	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.814	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	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	Lead	—	4.32	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+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	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.95	—	—	2.00E+00	ug/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	9.29	—	—	2.00E+00	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.00E-01	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.935	—	—	1.00E-01	ug/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.947	—	—	1.00E-01	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.797	—	—	1.00E-01	ug/L	—	—	10-3193	CAMO-10-16759	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
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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.843	—	—	5.00E-01	ug/L	J	J	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.603	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.815	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.832	—	—	5.00E-01	ug/L	J	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.23	—	—	5.00E-01	ug/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.97	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.879	—	—	5.00E-01	ug/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1.82	—	—	1.00E+00	ug/L	J	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	25	—	—	5.00E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.09	—	—	1.00E+00	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.02	—	—	1.00E+00	ug/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	1.98	—	—	1.00E+00	ug/L	J	U	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	25	—	—	5.00E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.03	—	—	1.00E+00	ug/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.4	—	—	5.30E-02	mg/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.5	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	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

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	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.6	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.456	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.437	—	—	5.00E-02	ug/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.508	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.465	—	—	5.00E-02	ug/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.67	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.72	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.23	—	—	3.30E+00	ug/L	J	J	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1823	CAMO-10-9323	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	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.85	—	—	3.30E+00	ug/L	J	J	10-3193	CAMO-10-16759	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	08/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00424	4.33E-03	3.10E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00284	1.02E-03	4.21E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0186	3.63E-03	4.89E-02	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00414	1.97E-03	3.50E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00126	5.33E-04	2.70E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0138	3.67E-03	2.90E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00715	1.11E-03	6.47E-02	—	pCi/L	—	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000271	2.04E-03	2.17E-02	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-5.58	8.00E-01	6.90E+00	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.14	4.40E-01	3.41E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.569	4.43E-01	4.25E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.24	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.14	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.62	4.33E-01	4.90E+00	—	pCi/L	U	U	08-1699	CAMO-08-14541	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	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.39	5.03E-01	4.71E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.971	3.40E-01	3.81E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.471	7.33E-01	7.00E+00	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.56	4.67E-01	5.50E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.797	3.50E-01	4.13E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.493	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.206	3.33E-01	3.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.168	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0988	4.73E-01	4.67E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.712	3.33E-01	3.54E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.63	1.47E-01	1.44E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.715	2.13E-01	2.65E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	08/31/05	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.861	1.41E-01	1.61E+00	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.36	4.67E-01	2.60E+00	—	pCi/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.587	1.07E-01	9.90E-01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.223	1.47E-01	2.57E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.54	2.30E-01	2.38E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/31/05	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.102	1.67E-01	2.52E+00	—	pCi/L	U	U	144703	GU05080G15R01	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.39	2.67E-01	2.41E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-0.0459	1.31E-01	1.81E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	08/31/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.42	2.73E-01	3.09E+00	—	pCi/L	—	J	144703	GF05080G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.24	2.80E-01	3.00E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.38	3.67E-01	2.90E+00	—	pCi/L	—	—	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.57	2.76E-01	2.68E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.11	2.49E-01	2.92E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/31/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.72	2.65E-01	3.14E+00	—	pCi/L	U	U	144703	GU05080G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	4.37	3.27E+00	2.20E+01	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	87.8	2.43E+01	2.17E+02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	108	2.87E+01	3.36E+02	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.1	2.03E+00	2.00E+01	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	50.3	7.67E+00	8.00E+01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	12.5	4.00E+00	2.00E+01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69.5	1.61E+01	2.03E+02	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	101	2.89E+01	3.36E+02	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-25.1	4.67E+00	4.30E+01	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-19.1	3.73E+00	2.95E+01	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.5	2.38E+00	2.55E+01	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.86	1.03E+00	9.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.9	2.87E+00	2.60E+01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.74	3.67E+00	3.40E+01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.3	4.47E+00	3.67E+01	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11	2.35E+00	2.37E+01	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00347	8.33E-04	2.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00327	1.34E-03	3.14E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00673	1.30E-03	2.20E-02	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	3.20E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.008	2.83E-03	3.20E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.33E-04	2.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00205	3.27E-03	3.92E-02	—	pCi/L	U	U	191858	GU070800G15R01	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	07/03/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00179	1.03E-03	1.70E-02	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00694	1.43E-03	3.00E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00982	1.34E-03	2.88E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00224	1.30E-03	2.50E-02	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00237	1.77E-03	3.20E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.33E-03	3.90E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0077	1.17E-03	2.60E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00204	1.52E-03	3.60E-02	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	5.97E-04	2.00E-02	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7.78	1.03E+01	9.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-31.2	5.60E+00	4.57E+01	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	13.9	4.17E+00	4.84E+01	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	41.9	8.00E+00	3.50E+01	—	pCi/L	U	R	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.75	5.67E+00	2.90E+01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.32	5.33E+00	5.20E+01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.9	5.13E+00	4.64E+01	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	26.9	3.67E+00	4.65E+01	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.18	6.67E-01	7.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.75	3.37E-01	3.16E+00	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.382	3.93E-01	4.26E+00	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0963	5.67E-01	5.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.239	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-4.2	6.07E-01	4.59E+00	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.17	2.83E-01	3.29E+00	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.222	2.67E-02	2.20E-01	—	pCi/L	—	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0055	2.90E-02	3.28E-01	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00139	2.40E-02	3.21E-01	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.152	4.67E-02	4.80E-01	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.19	4.00E-02	4.70E-01	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.173	2.90E-02	2.70E-01	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.144	2.61E-02	3.29E-01	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0892	1.90E-02	2.90E-01	—	pCi/L	U	U	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.291	1.13E-02	8.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.32	1.43E-02	5.10E-02	—	pCi/L	—	—	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.292	1.04E-02	4.54E-02	—	pCi/L	—	—	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.285	1.13E-02	6.50E-02	—	pCi/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.213	9.00E-03	9.00E-02	—	pCi/L	—	—	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.298	1.10E-02	8.30E-02	—	pCi/L	—	—	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.339	1.53E-02	5.46E-02	—	pCi/L	—	—	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.324	1.21E-02	5.79E-02	—	pCi/L	—	—	166561	GU060500G15R01	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0206	3.30E-03	4.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0126	3.04E-03	4.35E-02	—	pCi/L	U	U	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0323	3.63E-03	3.83E-02	—	pCi/L	U	U	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0158	2.80E-03	4.00E-02	—	pCi/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00289	2.57E-03	4.40E-02	—	pCi/L	U	U	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00599	2.00E-03	4.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0324	5.00E-03	4.67E-02	—	pCi/L	U	U	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0103	3.43E-03	4.88E-02	—	pCi/L	U	U	166561	GU060500G15R01	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	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.124	6.67E-03	4.30E-02	—	pCi/L	—	—	08-1699	CAMO-08-14540	GELC
R-15	1751	958.6	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.14	9.37E-03	6.81E-02	—	pCi/L	—	J	191858	GF070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.126	6.13E-03	4.83E-02	—	pCi/L	—	J	166561	GF060500G15R01	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	7.67E-03	4.50E-02	—	pCi/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.129	7.00E-03	4.40E-02	—	pCi/L	—	—	09-2805	CAMO-09-9542	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.128	6.67E-03	4.40E-02	—	pCi/L	—	—	08-1699	CAMO-08-14541	GELC
R-15	1751	958.6	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.133	9.33E-03	7.30E-02	—	pCi/L	—	J	191858	GU070800G15R01	GELC
R-15	1751	958.6	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.166	8.20E-03	6.15E-02	—	pCi/L	—	J	166561	GU060500G15R01	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.3	—	—	7.30E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3019	CAMO-10-16857	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
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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.42	—	—	6.60E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.57	—	—	6.60E-02	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	3.50E-01	mg/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.72	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.61	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.437	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.525	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22894	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	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.452	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.89	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	174	—	—	1.00E+00	uS/cm	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.77	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	J	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.481	—	—	3.30E-01	mg/L	J	J	10-3656	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.342	—	—	3.30E-01	mg/L	J	J	10-3017	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.2	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.9	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22894	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	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	1.50E+01	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22	—	—	1.50E+01	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.1	—	—	1.50E+01	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.85	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.97	—	—	2.50E+00	ug/L	J	J	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.4	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.47	—	—	2.50E+00	ug/L	J	J	10-3019	CAMO-10-16855	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
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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	14	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.71	—	—	2.00E+00	ug/L	J	J	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.5	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.63	—	—	2.00E+00	ug/L	J	J	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.13	—	—	1.00E-01	ug/L	—	U	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.00E-01	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.22	—	—	1.00E-01	ug/L	—	U	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.61	—	—	5.00E-01	ug/L	J	J	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.708	—	—	5.00E-01	ug/L	J	J	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.9	—	—	5.30E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55	—	—	5.30E-02	mg/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	196	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	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	—	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00642	1.80E-03	3.00E-02	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0107	1.90E-03	2.10E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.331	4.33E-01	4.50E+00	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.665	4.00E-01	4.20E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.962	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.828	4.33E-01	4.00E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.771	1.50E-01	2.70E+00	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.59	2.67E-01	2.20E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.29	2.40E-01	2.10E+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 alpha	<	0.353	1.33E-01	1.46E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.83	3.33E-01	2.60E+00	—	pCi/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.0574	2.23E-01	2.50E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	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
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	28	2.83E+00	2.20E+01	—	pCi/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	2.91	4.67E-01	2.80E+00	—	pCi/L	—	U	10-3019	CAMO-10-16855	GELC
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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.84	1.03E+00	1.10E+01	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.58	7.67E-01	7.90E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00227	1.07E-03	3.00E-02	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.40E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00227	1.30E-03	3.10E-02	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0106	2.57E-03	3.10E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	22.2	6.00E+00	7.00E+01	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.1	6.33E+00	5.90E+01	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.95	5.33E-01	4.80E+00	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.197	4.33E-01	4.30E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0528	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.203	4.00E-02	4.90E-01	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.617	2.40E-02	1.50E-01	—	pCi/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.597	2.17E-02	5.90E-02	—	pCi/L	—	—	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0253	4.33E-03	7.00E-02	—	pCi/L	U	U	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0223	3.33E-03	5.40E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.434	1.87E-02	9.00E-02	—	pCi/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.387	1.57E-02	5.40E-02	—	pCi/L	—	—	10-3019	CAMO-10-16855	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	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.06	—	—	7.30E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	7.30E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16851	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	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.12	—	—	6.60E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.298	—	—	3.30E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.332	—	—	3.30E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.4	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.2	—	—	3.50E-01	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.46	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.57	—	—	8.50E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.5	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.46	—	—	8.50E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.341	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.495	—	—	5.00E-02	mg/L	—	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.309	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16851	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.85	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.86	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.91	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.58	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.585	—	—	3.30E-01	mg/L	J	J	10-3656	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.34	—	—	1.50E+00	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.93	—	—	1.50E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.82	—	—	1.50E+00	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.5	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.4	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.9	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.6	—	—	1.50E+01	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.7	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	10-3102	CAMO-10-16852	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	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.63	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.38	—	—	2.50E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-207	CAMO-09-963	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.5	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.28	—	—	2.50E+00	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	44.5	—	—	3.00E+01	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.1	—	—	3.00E+01	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	14.8	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.74	—	—	2.00E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15.6	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.89	—	—	1.00E-01	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.87	—	—	1.00E-01	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.582	—	—	5.00E-01	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.801	—	—	5.00E-01	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	45.1	—	—	5.30E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	49.9	—	—	5.30E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	219	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	228	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	217	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.62	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.7	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.07	—	—	3.30E+00	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.47	—	—	3.30E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.2	—	—	3.30E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	3.30E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0133	1.53E-03	2.90E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00882	1.43E-03	2.10E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00189	2.98E-03	4.97E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.705	5.33E-01	5.30E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.473	4.00E-01	4.10E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	5.10E-01	4.66E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.108	4.67E-01	4.50E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.92	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.335	4.63E-01	4.40E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.79	3.00E-01	2.60E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	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	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.5	2.73E-01	2.40E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.596	1.43E-01	1.36E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.35	2.97E-01	2.90E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.8	2.93E-01	2.40E+00	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.57	3.37E-01	2.85E+00	—	pCi/L	—	J	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	8.45	1.27E+00	1.80E+01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	54	5.33E+00	5.30E+01	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.3	1.46E+01	1.92E+02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.63	1.00E+00	1.00E+01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.389	8.00E-01	8.00E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.4	3.63E+00	2.99E+01	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.40E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00941	3.67E-03	3.70E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00775	3.03E-03	1.42E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00184	1.07E-03	2.50E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0094	1.93E-03	3.50E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00774	2.04E-03	2.24E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.8	6.67E+00	6.70E+01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.8	5.67E+00	5.40E+01	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	60.3	5.30E+00	3.80E+01	—	pCi/L	U	R	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.5	5.00E-01	4.00E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	4.00E-01	4.30E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.00E-01	4.52E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.197	4.33E-02	4.90E-01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.432	5.00E-02	4.50E-01	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.198	2.28E-02	3.53E-01	—	pCi/L	U	U, J	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.762	2.70E-02	1.30E-01	—	pCi/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.679	2.20E-02	4.50E-02	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.031	2.56E-03	4.20E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0287	4.33E-03	6.30E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	3.33E-03	4.10E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00202	1.17E-03	2.96E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.431	1.80E-02	8.10E-02	—	pCi/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.443	1.60E-02	4.10E-02	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0163	1.75E-03	3.83E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.5	—	—	7.30E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	10-3098	CAMO-10-16834	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
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16833	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



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	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.19	—	—	6.60E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.314	—	—	3.30E-02	mg/L	—	J-	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.363	—	—	3.30E-02	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.2	—	—	3.50E-01	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.4	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.803	—	—	8.50E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.766	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.778	—	—	8.50E-02	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.778	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.525	—	—	5.00E-02	mg/L	—	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	J	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.358	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16834	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
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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.15	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.14	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16833	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

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	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	1.00E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.33	—	—	1.00E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-3711	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.27	—	—	1.00E-02	SU	H	J-	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.1	—	—	1.50E+00	ug/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.81	—	—	1.50E+00	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.17	—	—	1.50E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.64	—	—	1.50E+00	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.23	—	—	1.50E+00	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.75	—	—	1.50E+00	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.12	—	—	1.50E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.91	—	—	1.50E+00	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.5	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.5	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	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	02/04/10	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.2	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	ug/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23	—	—	1.50E+01	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.2	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.83	—	—	2.50E+00	ug/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.01	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.56	—	—	2.50E+00	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.46	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	5.00E-01	ug/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.756	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	5.00E-01	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.82	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.7	—	—	5.30E-02	mg/L	—	—	10-3712	CAMO-10-22863	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	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.2	—	—	5.30E-02	mg/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	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
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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.19	—	—	5.00E-02	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.23	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16833	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	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	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00583	1.10E-03	3.50E-02	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.937	3.67E-01	3.90E+00	—	pCi/L	U	U	10-3712	CAMO-10-22861	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
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	08/11/08	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

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	08/20/07	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.65	4.00E-01	3.50E+00	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/20/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.38	2.01E-01	1.68E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.05	3.13E-01	2.50E+00	—	pCi/L	U	U	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.86	1.37E-01	9.80E-01	—	pCi/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.08	1.62E-01	1.29E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.25	2.15E-01	1.94E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.99	2.41E-01	1.82E+00	—	pCi/L	—	J	163786	GU06050GR16A01	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.05	2.79E-01	2.62E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.14	3.33E-01	2.90E+00	—	pCi/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.458	1.63E-01	2.10E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.74	2.67E-01	2.33E+00	—	pCi/L	—	J	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.42	1.49E-01	1.30E+00	—	pCi/L	—	J	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.68	2.86E-01	2.74E+00	—	pCi/L	—	J	163786	GU06050GR16A01	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.08	9.33E-01	5.90E+00	—	pCi/L	—	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.37	8.00E-01	8.20E+00	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0096	2.27E-03	3.20E-02	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0024	3.10E-03	3.30E-02	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.48	5.67E+00	6.00E+01	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	02/04/10	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.02	4.33E-01	4.30E+00	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0286	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.754	2.13E-02	4.40E-02	—	pCi/L	—	—	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0471	3.67E-03	2.70E-02	—	pCi/L	—	—	10-3712	CAMO-10-22861	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	08/11/08	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.31	1.07E-02	3.10E-02	—	pCi/L	—	—	10-3712	CAMO-10-22861	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-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.4	—	—	7.30E-01	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.265	—	—	6.60E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.244	—	—	6.60E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
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

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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.8	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.3	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.7	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.1	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.7	—	—	3.30E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.2	—	—	3.30E-01	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00391	—	—	1.70E-03	mg/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00388	—	—	1.70E-03	mg/L	J	J	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.286	—	—	3.30E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.267	—	—	3.30E-02	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	158	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	153	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	152	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	148	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.3	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.9	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.72	—	—	1.00E-01	mg/L	—	J	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.24	—	—	1.00E-01	mg/L	—	J	10-3176	CAMO-10-16765	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

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	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.06	—	—	1.00E-01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.99	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	408	—	—	1.00E+00	uS/cm	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	409	—	—	1.00E+00	uS/cm	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47	—	—	5.00E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	50.6	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	315	—	—	2.40E+00	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	316	—	—	2.40E+00	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.652	—	—	3.30E-01	mg/L	J	J	10-3697	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-3175	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3176	CAMO-10-16765	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



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	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	67.2	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.5	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	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
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.4	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.1	—	—	1.50E+01	ug/L	J	J	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.7	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	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	Boron	—	22.8	—	—	1.50E+01	ug/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	ug/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.5	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+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	Boron	—	23.4	—	—	1.50E+01	ug/L	J	J	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.113	—	—	1.10E-01	ug/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	558	—	—	5.00E+01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	342	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	539	—	—	5.00E+01	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	340	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16764	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	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1615	CAMO-10-9328	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	41.3	—	—	3.00E+01	ug/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.2	—	—	3.00E+01	ug/L	J	J	10-3176	CAMO-10-16764	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

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-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.814	—	—	1.00E-01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.75	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.809	—	—	1.00E-01	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.774	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.7	—	—	5.00E-01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.7	—	—	5.00E-01	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16764	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
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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.9	—	—	5.30E-02	mg/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	170	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16765	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16764	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.42	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.45	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	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

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	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.03	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.55	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	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	08/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00443	3.33E-03	3.00E-02	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0309	3.11E-03	5.31E-02	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00445	3.33E-03	2.68E-02	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00282	1.57E-03	3.90E-02	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.025	2.80E-03	3.50E-02	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000528	4.33E-03	3.30E-02	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0113	3.43E-03	4.05E-02	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00554	4.40E-03	2.13E-02	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.721	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.22	4.03E-01	3.21E+00	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.03	3.31E-01	3.97E+00	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.56	7.33E-01	6.20E+00	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.7	4.33E-01	4.60E+00	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.981	4.00E-01	3.70E+00	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.48	3.70E-01	3.33E+00	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.18	3.20E-01	3.15E+00	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.436	3.67E-01	3.40E+00	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.22	3.57E-01	3.11E+00	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.23	3.05E-01	3.88E+00	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.55	6.67E-01	6.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.21	5.00E-01	4.30E+00	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.28	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.363	3.67E-01	3.54E+00	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.06	2.96E-01	3.56E+00	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.238	2.54E-01	2.80E+00	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.501	9.63E-02	9.39E-01	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.55	2.90E-01	2.60E+00	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.18	1.63E-01	7.30E-01	—	pCi/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.75	1.86E-01	1.22E+00	—	pCi/L	—	J	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.305	8.00E-02	7.94E-01	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	01/26/06	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.307	1.27E-01	1.24E+00	—	pCi/L	U	U	154759	GU06010G28R01	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.99	2.50E-01	2.33E+00	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.27	1.57E-01	1.45E+00	—	pCi/L	—	J	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.36	2.93E-01	2.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.42	2.50E-01	2.00E+00	—	pCi/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.87	2.84E-01	2.56E+00	—	pCi/L	—	J	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.01	1.67E-01	1.52E+00	—	pCi/L	—	J	166673	GU060500G28R01	GELC
R-28	1781	934.3	01/26/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.66	1.63E-01	1.48E+00	—	pCi/L	—	J	154759	GU06010G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11.6	6.33E+00	1.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	66.2	1.62E+01	1.75E+02	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	71.2	1.65E+01	2.07E+02	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.5	2.93E+00	2.10E+01	—	pCi/L	—	U	10-3698	CAMO-10-22860	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	—	Rad	EPA:901.1	Gross gamma	—	97.3	1.00E+01	8.40E+01	—	pCi/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.11	1.77E+00	9.90E+00	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	73.5	1.69E+01	2.21E+02	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	71.1	2.24E+01	1.84E+02	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-17.9	3.00E+00	2.70E+01	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.93	2.70E+00	2.69E+01	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0143	2.29E+00	2.42E+01	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.32	9.67E-01	8.90E+00	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	27.7	3.67E+00	3.10E+01	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6	1.93E+00	1.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.13	2.90E+00	2.57E+01	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.34	2.34E+00	2.50E+01	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00554	1.23E-03	2.60E-02	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00384	9.07E-04	3.10E-02	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0278	7.50E-03	2.97E-02	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00208	1.57E-03	2.80E-02	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.004	1.63E-03	3.20E-02	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0104	1.70E-03	2.90E-02	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00197	3.80E-04	3.19E-02	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0324	5.83E-03	2.59E-02	—	pCi/L	—	J	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00369	2.13E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00703	1.50E-03	2.85E-02	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00309	4.23E-03	3.46E-02	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00833	1.40E-03	2.80E-02	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.002	2.40E-03	3.90E-02	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00208	2.50E-03	3.50E-02	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00657	1.73E-03	2.93E-02	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0216	3.37E-03	3.02E-02	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.7	5.33E+00	6.00E+01	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	12.4	5.70E+00	3.25E+01	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.6	3.73E+00	4.91E+01	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.49	6.67E+00	6.60E+01	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-2.5	5.33E+00	5.30E+01	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.55	4.67E+00	5.00E+01	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	45.7	5.83E+00	3.31E+01	—	pCi/L	UI	R	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35.4	3.37E+00	4.44E+01	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.829	4.33E-01	4.50E+00	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0367	4.00E-01	3.35E+00	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.81	3.26E-01	2.48E+00	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.47	6.00E-01	4.50E+00	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.601	3.67E-01	3.90E+00	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	3.67E-01	4.00E+00	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.194	4.10E-01	3.80E+00	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.52	3.07E-01	3.26E+00	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.131	3.67E-02	3.60E-01	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0331	2.35E-02	2.80E-01	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0415	2.92E-02	4.52E-01	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.112	4.67E-02	4.90E-01	—	pCi/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0127	4.67E-02	4.80E-01	—	pCi/L	U	U	09-2878	CAMO-09-9546	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	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.117	3.30E-02	3.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.113	3.27E-02	3.88E-01	—	pCi/L	U	U	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.145	1.89E-02	2.49E-01	—	pCi/L	U	U	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.869	2.27E-02	8.00E-02	—	pCi/L	—	—	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.912	2.87E-02	5.47E-02	—	pCi/L	—	—	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.764	3.37E-02	1.79E-01	—	pCi/L	—	—	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.85	2.57E-02	6.80E-02	—	pCi/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.954	2.77E-02	9.20E-02	—	pCi/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.793	1.93E-02	5.70E-02	—	pCi/L	—	—	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.767	2.35E-02	5.03E-02	—	pCi/L	—	—	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.802	3.33E-02	1.71E-01	—	pCi/L	—	—	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0231	3.07E-03	4.30E-02	—	pCi/L	U	U	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	3.83E-03	4.67E-02	—	pCi/L	U	U	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-5.06E-09	8.67E-03	1.51E-01	—	pCi/L	U	U	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.059	5.00E-03	4.10E-02	—	pCi/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0417	4.00E-03	4.50E-02	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0326	3.67E-03	3.00E-02	—	pCi/L	—	U	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0522	5.63E-03	4.30E-02	—	pCi/L	—	J	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.182	1.82E-02	1.44E-01	—	pCi/L	U	R	166673	GU060500G28R01	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.393	1.30E-02	4.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14542	GELC
R-28	1781	934.3	08/17/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.321	1.44E-02	7.30E-02	—	pCi/L	—	—	191952	GF070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.24	1.82E-02	1.91E-01	—	pCi/L	—	J	166673	GF060500G28R01	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.371	1.37E-02	4.70E-02	—	pCi/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.407	1.43E-02	4.50E-02	—	pCi/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.399	1.13E-02	3.00E-02	—	pCi/L	—	—	08-1699	CAMO-08-14543	GELC
R-28	1781	934.3	08/17/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.34	1.41E-02	6.72E-02	—	pCi/L	—	—	191952	GU070800G28R01	GELC
R-28	1781	934.3	07/05/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.205	1.99E-02	1.82E-01	—	pCi/L	—	J	166673	GU060500G28R01	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.5	—	—	7.30E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.215	—	—	3.30E-02	mg/L	—	J-	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	3.30E-02	mg/L	—	—	10-3157	CAMO-10-16817	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	—	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	07/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.4	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.685	—	—	5.00E-02	mg/L	—	J	10-3157	CAMO-10-16817	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.436	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.391	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16817	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
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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22883	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	uS/cm	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	151	—	—	1.00E+00	uS/cm	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.09	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	J	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	J	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.361	—	—	3.30E-01	mg/L	J	J	10-3635	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.854	—	—	3.30E-01	mg/L	J	J	10-3156	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	10-3157	CAMO-10-16817	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	ug/L	J	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+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	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	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	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22884	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	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.8	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.99	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.53	—	—	2.00E+00	ug/L	J	J	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.75	—	—	2.00E+00	ug/L	J	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	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	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.56	—	—	2.00E+00	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	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	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16816	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
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.03	—	—	5.00E-01	ug/L	J	J	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.77	—	—	5.00E-01	ug/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.881	—	—	5.00E-01	ug/L	J	J	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.77	—	—	5.00E-01	ug/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	5.30E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79	—	—	5.30E-02	mg/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.4	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22883	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	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.909	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.785	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.04	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.06	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6.83	—	—	1.00E+00	ug/L	—	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.37	—	—	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	Vanadium	—	6.13	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.68	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.02	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.77	—	—	1.00E+00	ug/L	—	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.44	—	—	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	Vanadium	—	5.99	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	50.5	—	—	3.30E+00	ug/L	—	—	10-3157	CAMO-10-16817	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.4	—	—	3.30E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	52.4	—	—	3.30E+00	ug/L	—	—	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00509	1.27E-03	3.20E-02	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0199	2.20E-03	3.00E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.442	5.33E-01	5.30E+00	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.67	7.33E-01	8.00E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.102	4.00E-01	4.00E+00	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.5	6.00E-01	5.60E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.927	2.77E-01	2.90E+00	—	pCi/L	U	U	10-3636	CAMO-10-22883	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	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.33	2.17E-01	2.70E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.66	2.50E-01	2.30E+00	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.702	2.30E-01	2.40E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	21.6	2.37E+00	8.00E+00	—	pCi/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.42	1.20E+00	9.00E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.57	1.13E+00	1.00E+01	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.84	8.33E-01	8.80E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0189	3.67E-03	2.80E-02	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.006	1.17E-03	3.20E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0105	2.10E-03	2.80E-02	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.002	9.33E-04	3.00E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.826	8.33E+00	8.50E+01	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	42.5	5.67E+00	6.80E+01	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.138	5.33E-01	5.20E+00	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.55	5.67E-01	4.10E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.118	3.67E-02	4.90E-01	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.142	4.67E-02	4.60E-01	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.447	1.43E-02	4.90E-02	—	pCi/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.457	1.47E-02	3.00E-02	—	pCi/L	—	—	10-3157	CAMO-10-16816	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
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

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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0257	2.67E-03	2.90E-02	—	pCi/L	U	U	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0183	2.43E-03	2.80E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.202	8.33E-03	3.40E-02	—	pCi/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.00E-03	2.80E-02	—	pCi/L	—	—	10-3157	CAMO-10-16816	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	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.055	—	—	1.60E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.063	—	—	1.60E-02	mg/L	—	U	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.83	—	—	6.60E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.88	—	—	6.60E-02	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.185	—	—	3.30E-02	mg/L	—	J-	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.175	—	—	3.30E-02	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.2	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
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	07/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.9	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16818	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

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	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.67	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.348	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.425	—	—	5.00E-02	mg/L	—	U	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.343	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.39	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16818	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
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.35	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.33	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16820	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	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	07/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	J	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	J	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.66	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.73	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.64	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.9	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16818	GELC
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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16818	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	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.573	—	—	5.00E-01	ug/L	J	J	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.583	—	—	5.00E-01	ug/L	J	J	10-3636	CAMO-10-22885	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	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.519	—	—	5.00E-01	ug/L	J	J	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.6	—	—	5.30E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.1	—	—	5.30E-02	mg/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.7	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16820	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	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.956	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.33	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6.51	—	—	1.00E+00	ug/L	—	U	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.37	—	—	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	Vanadium	—	5.63	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.69	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.71	—	—	1.00E+00	ug/L	—	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.39	—	—	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	Vanadium	—	5.74	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00894	1.33E-03	3.30E-02	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0127	2.17E-03	2.80E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.12	6.67E-01	6.50E+00	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.119	6.67E-01	7.00E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	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

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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.722	5.00E-01	4.60E+00	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.29	5.33E-01	5.40E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.8	2.47E-01	2.60E+00	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.37	2.57E-01	2.30E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.11	2.30E-01	2.30E+00	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.01	3.17E-01	2.60E+00	—	pCi/L	—	—	10-3157	CAMO-10-16818	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
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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	11.8	1.37E+00	7.00E+00	—	pCi/L	—	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	51.6	5.00E+00	5.60E+01	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.35	1.00E+00	8.90E+00	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.18	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00203	2.03E-03	2.70E-02	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00826	1.70E-03	3.30E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00203	6.67E-04	2.80E-02	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00413	4.00E-03	3.00E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	23	6.67E+00	7.50E+01	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.67E+00	6.90E+01	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.437	4.00E-01	3.80E+00	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.651	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.246	5.00E-02	4.90E-01	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.226	4.67E-02	4.50E-01	—	pCi/L	U	U	10-3157	CAMO-10-16818	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

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: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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.596	1.83E-02	5.70E-02	—	pCi/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.543	1.67E-02	2.90E-02	—	pCi/L	—	—	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0327	4.00E-03	3.40E-02	—	pCi/L	U	U	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0134	2.60E-03	2.70E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	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	07/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.329	1.20E-02	3.90E-02	—	pCi/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.308	1.07E-02	2.70E-02	—	pCi/L	—	—	10-3157	CAMO-10-16818	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-34	1791	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9348	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	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.53	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.49	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9348	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-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.9	—	—	7.30E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.217	—	—	6.60E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.192	—	—	6.60E-02	mg/L	J	J	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.8	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.6	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.6	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.1	—	—	6.60E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.9	—	—	3.30E-01	mg/L	—	—	10-3176	CAMO-10-16821	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



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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.2	—	—	3.30E-02	mg/L	—	J-	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.242	—	—	3.30E-02	mg/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	178	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	177	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	179	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	181	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.7	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16821	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
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.08	—	—	2.50E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.34	—	—	1.00E-01	mg/L	—	J	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.38	—	—	1.00E-01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.31	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.4	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16821	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

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	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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	456	—	—	1.00E+00	uS/cm	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	471	—	—	1.00E+00	uS/cm	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	69	—	—	1.00E+00	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	80.6	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	369	—	—	2.40E+00	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	315	—	—	2.40E+00	mg/L	—	—	10-3176	CAMO-10-16821	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
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	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	3.30E-01	mg/L	—	—	10-3666	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	3.30E-01	mg/L	—	—	10-3175	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.73	—	—	1.00E-02	SU	H	J-	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.627	—	—	5.00E-01	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.682	—	—	5.00E-01	ug/L	J	J	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.646	—	—	5.00E-01	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.679	—	—	5.00E-01	ug/L	J	J	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	84.2	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	86.2	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	84.9	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.7	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	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

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	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1240	—	—	5.00E+01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	850	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16821	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	—	885	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3219	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	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	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1210	—	—	5.00E+01	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	960	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16822	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	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.5	—	—	3.00E+01	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1807	CAMO-10-9355	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.08	—	—	5.00E-01	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.3	—	—	5.00E-01	ug/L	J	J	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.13	—	—	2.00E+00	ug/L	J	J	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.33	—	—	2.00E+00	ug/L	J	J	10-3667	CAMO-10-22891	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	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.56	—	—	2.00E+00	ug/L	J	J	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.595	—	—	1.00E-01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.519	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.605	—	—	1.00E-01	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.543	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23.8	—	—	5.00E-01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	25.3	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	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
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.5	—	—	5.00E-01	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.2	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	5.30E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	183	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.722	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.599	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.704	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.602	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16822	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

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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.82	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.92	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.77	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.4	—	—	3.30E+00	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.3	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16821	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	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	3.30E+00	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.5	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16822	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
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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00446	1.00E-03	3.70E-02	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0033	2.47E-03	2.90E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.699	4.67E-01	4.50E+00	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.16	5.00E-01	4.50E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.559	4.00E-01	4.10E+00	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.76	6.00E-01	5.40E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.54	3.10E-01	2.60E+00	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.23	2.63E-01	2.50E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	22.2	8.33E-01	2.90E+00	—	pCi/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.55	2.40E-01	2.20E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.51	6.33E-01	8.30E+00	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.3	3.33E+00	3.00E+01	—	pCi/L	U	U	10-3176	CAMO-10-16822	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

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	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.49	1.07E+00	9.70E+00	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.14	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	3.20E-02	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00456	1.87E-03	3.60E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00238	1.37E-03	3.20E-02	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00912	1.70E-03	3.40E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35.6	6.33E+00	7.10E+01	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.54	6.67E+00	6.90E+01	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.14	5.67E-01	5.00E+00	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.68	6.00E-01	7.00E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.343	5.00E-02	4.70E-01	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0939	4.33E-02	4.70E-01	—	pCi/L	U	U	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.544	1.77E-02	6.20E-02	—	pCi/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.46	1.53E-02	3.70E-02	—	pCi/L	—	—	10-3176	CAMO-10-16822	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	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00899	1.73E-03	3.80E-02	—	pCi/L	U	U	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0168	2.67E-03	3.40E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	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
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.177	8.00E-03	4.30E-02	—	pCi/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.175	8.33E-03	3.40E-02	—	pCi/L	—	—	10-3176	CAMO-10-16822	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-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.5	—	—	7.30E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.7	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
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

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	—	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.13	—	—	6.60E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.06	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00406	—	—	1.70E-03	mg/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.305	—	—	3.30E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.364	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.06	—	—	5.00E-02	mg/L	—	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	1.00E-01	mg/L	—	J	10-3024	CAMO-10-16841	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	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.438	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.375	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.03	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.06	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.9	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.47	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.12	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.73	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16840	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
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	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00E+00	uS/cm	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.52	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.3	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.726	—	—	3.30E-01	mg/L	J	J	10-3702	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.809	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3703	CAMO-10-22864	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	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16841	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.5	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.1	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1802	CAMO-10-9372	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.1	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.34	—	—	2.50E+00	ug/L	J	J	10-2620	CAMO-10-9729	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
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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16840	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	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1802	CAMO-10-9372	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	78.7	—	—	3.00E+01	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	78	—	—	3.00E+01	ug/L	J	J	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.962	—	—	1.00E-01	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.901	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16841	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

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	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.909	—	—	1.00E-01	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.96	—	—	5.00E-01	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.75	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.5	—	—	5.30E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.6	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.3	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16841	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
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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.374	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.359	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.48	—	—	1.00E+00	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.21	—	—	1.00E+00	ug/L	J	J	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.52	—	—	1.00E+00	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.73	—	—	1.00E+00	ug/L	J	J	10-3024	CAMO-10-16840	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	—	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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.46	—	—	3.30E+00	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.27	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16841	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.58	—	—	3.30E+00	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.9	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00224	1.67E-03	3.50E-02	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000264	7.00E-04	2.10E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.39	5.33E-01	5.60E+00	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.737	5.33E-01	5.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	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
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	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.239	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.584	4.33E-01	4.00E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.227	1.80E-01	2.20E+00	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.836	2.33E-01	2.50E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.404	2.13E-01	2.60E+00	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.112	2.20E-01	2.50E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.7	3.33E+00	4.00E+01	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	11.7	1.27E+00	8.70E+00	—	pCi/L	—	—	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.53	1.07E+00	1.10E+01	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0477	8.33E-01	8.20E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00217	1.03E-03	2.90E-02	—	pCi/L	U	U	10-3703	CAMO-10-22866	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00209	7.00E-04	3.30E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00217	1.27E-03	2.90E-02	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00209	1.20E-03	3.10E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
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	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.3	6.00E+00	4.60E+01	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.7	4.00E+00	4.70E+01	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0444	5.33E-01	5.50E+00	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.838	4.00E-01	4.20E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.246	4.67E-02	4.70E-01	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.417	5.33E-02	4.90E-01	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.251	1.07E-02	6.80E-02	—	pCi/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.302	1.27E-02	5.10E-02	—	pCi/L	—	—	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0098	1.90E-03	4.10E-02	—	pCi/L	U	U	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00768	1.83E-03	4.60E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	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	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.137	7.00E-03	4.70E-02	—	pCi/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.103	6.67E-03	4.70E-02	—	pCi/L	—	—	10-3025	CAMO-10-16840	GELC
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	8681	985.3	07/14/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.3	—	—	7.30E-01	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.8	—	—	7.30E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
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	07/14/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16844	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

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	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
R-44	8681	985.3	07/14/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.27	—	—	6.60E-02	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.12	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.346	—	—	3.30E-02	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	49.4	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.69	—	—	5.00E-02	mg/L	—	J	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.66	—	—	5.00E-02	mg/L	—	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.655	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16844	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

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	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	07/14/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.373	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.368	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16844	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
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	07/14/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.16	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	9.57	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.8	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.82	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.38	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16844	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

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	07/14/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.786	—	—	3.30E-01	mg/L	J	J	10-3702	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.749	—	—	3.30E-01	mg/L	J	J	10-3702	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.624	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J-	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	22.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	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	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	15	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	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	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	7.15	—	—	2.50E+00	ug/L	J	J	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.05	—	—	2.50E+00	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9730	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	—	9.48	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3227	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	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	7.26	—	—	2.50E+00	ug/L	J	J	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.88	—	—	2.50E+00	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.7	—	—	2.50E+00	ug/L	J	J	10-3024	CAMO-10-16843	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

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	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.63	—	—	2.00E+00	ug/L	J	J	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	2.38	—	—	2.00E+00	ug/L	J	J	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.61	—	—	2.00E+00	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.825	—	—	1.00E-01	ug/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.817	—	—	1.00E-01	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.811	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.811	—	—	1.00E-01	ug/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.783	—	—	1.00E-01	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.819	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.918	—	—	5.00E-01	ug/L	J	J	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.87	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.871	—	—	5.00E-01	ug/L	J	J	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.819	—	—	5.00E-01	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.631	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.9	—	—	5.30E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.1	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	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



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	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	56.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.2	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.4	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.572	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.572	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.578	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.548	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16843	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	07/14/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.66	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22870	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.68	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.24	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.56	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.54	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	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	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.03	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16844	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	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.48	—	—	3.30E+00	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.32	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.0135	1.70E-03	3.20E-02	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00664	1.10E-03	3.20E-02	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00682	1.07E-03	2.00E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
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	07/14/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-0.511	6.00E-01	5.80E+00	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.59	5.00E-01	4.40E+00	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.09	4.67E-01	4.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	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	07/14/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-1.56	6.33E-01	5.70E+00	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.61	5.33E-01	4.90E+00	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.03	4.00E-01	4.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.186	2.13E-01	2.60E+00	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.59	2.90E-01	2.60E+00	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0164	2.17E-01	2.80E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	26.5	9.67E-01	3.00E+00	—	pCi/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.53	3.03E-01	3.00E+00	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.702	2.63E-01	2.80E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	6.18	8.33E-01	9.80E+00	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	47.5	5.00E+00	5.10E+01	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.3	2.97E+00	2.50E+01	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	1.38	1.23E+00	1.20E+01	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.3	9.67E-01	9.50E+00	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.1	9.00E-01	8.60E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0	7.33E-04	3.00E-02	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00217	7.33E-04	2.90E-02	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-5.32E-10	1.50E-03	3.50E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.0112	1.67E-03	3.00E-02	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00217	1.03E-03	2.90E-02	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00669	2.87E-03	3.30E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-26.2	8.00E+00	7.40E+01	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.06	5.33E+00	6.00E+01	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.72	8.00E+00	6.70E+01	—	pCi/L	U	U	10-3025	CAMO-10-16843	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

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	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	07/14/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.478	5.67E-01	5.50E+00	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.33	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.747	4.67E-01	4.90E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.208	4.67E-02	4.70E-01	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.045	4.00E-02	4.70E-01	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.221	4.33E-02	4.30E-01	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.347	1.30E-02	6.40E-02	—	pCi/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.415	1.53E-02	7.30E-02	—	pCi/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.391	1.53E-02	5.10E-02	—	pCi/L	—	—	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0246	2.97E-03	3.90E-02	—	pCi/L	U	U	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.67E-03	4.40E-02	—	pCi/L	U	U	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0117	2.27E-03	4.70E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	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	07/14/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.258	1.07E-02	4.40E-02	—	pCi/L	—	—	10-3703	CAMO-10-22871	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.222	1.00E-02	5.10E-02	—	pCi/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.161	8.67E-03	4.70E-02	—	pCi/L	—	—	10-3025	CAMO-10-16843	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-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.2	—	—	7.30E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.57	—	—	6.60E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	10-3165	CAMO-10-16824	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	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	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.298	—	—	3.30E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.295	—	—	3.30E-02	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.7	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.8	—	—	3.50E-01	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	10-3165	CAMO-10-16825	GELC
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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	8.50E-02	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.57	—	—	8.50E-02	mg/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.99	—	—	1.00E-01	mg/L	—	J-	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.28	—	—	1.00E-01	mg/L	—	J	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.55	—	—	5.00E-02	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.535	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.14	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.48	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22876	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	10-3165	CAMO-10-16824	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
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.45	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.22	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.40E+00	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.402	—	—	3.30E-01	mg/L	J	J	10-3566	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.8	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.3	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.6	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-3165	CAMO-10-16824	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

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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.50E+01	ug/L	J	J	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.4	—	—	2.50E+00	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	10-3165	CAMO-10-16824	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	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	21.4	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9731	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	—	14.5	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10252	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.50E+00	ug/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	2.50E+00	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.738	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.739	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.906	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.906	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.58	—	—	5.00E-01	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.3	—	—	5.30E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.5	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.2	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.3	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22877	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	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.2	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	ug/L	—	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.893	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.876	—	—	5.00E-02	ug/L	—	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.862	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16825	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
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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.71	—	—	1.00E+00	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.63	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.79	—	—	1.00E+00	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.17	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.51	—	—	3.30E+00	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.43	—	—	3.30E+00	ug/L	J	J	10-3165	CAMO-10-16824	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.89	—	—	3.30E+00	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	ug/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00669	1.23E-03	3.80E-02	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00531	1.17E-03	2.80E-02	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.709	3.13E-01	2.90E+00	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.505	5.33E-01	5.20E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.166	3.03E-01	3.00E+00	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.06	5.33E-01	5.80E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	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

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	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.732	2.57E-01	2.90E+00	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.07	3.03E-01	2.40E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	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
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	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.0498	2.30E-01	2.60E+00	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.04	2.30E-01	2.30E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	13.4	1.37E+00	1.20E+01	—	pCi/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	27.2	2.33E+00	1.40E+01	—	pCi/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.2	4.67E-01	4.40E+00	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.28	1.07E+00	8.80E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00238	1.13E-03	3.20E-02	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00196	1.13E-03	3.10E-02	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.13E-03	3.20E-02	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00391	2.27E-03	2.90E-02	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.3	3.30E+00	3.70E+01	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.4	6.67E+00	7.10E+01	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.342	2.87E-01	2.80E+00	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.88	5.00E-01	4.70E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.354	4.00E-02	4.70E-01	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.133	4.67E-02	4.80E-01	—	pCi/L	U	U	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.541	1.87E-02	7.90E-02	—	pCi/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.921	2.57E-02	3.10E-02	—	pCi/L	—	—	10-3165	CAMO-10-16825	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



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	—	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0228	3.13E-03	4.80E-02	—	pCi/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0472	3.67E-03	2.90E-02	—	pCi/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.23	1.07E-02	5.50E-02	—	pCi/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.199	8.67E-03	2.90E-02	—	pCi/L	—	—	10-3165	CAMO-10-16825	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	07/02/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	41.7	—	—	2.10E+00	ug/L	—	—	10-3566	CAMO-10-22877	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	11.1	—	—	2.20E+00	ug/L	U	U	10-1466	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	11.1	—	—	2.20E+00	ug/L	U	U	10-540	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	U	09-2964	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	12.3	—	—	2.50E+00	ug/L	U	UJ	09-2676	CAMO-09-11401	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	120	—	—	7.30E-01	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.1	—	—	6.60E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.379	—	—	3.30E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.6	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	3.50E-01	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.1	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	3.50E-01	mg/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.49	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22874	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	10-3187	CAMO-10-16828	GELC
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	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.575	—	—	5.00E-02	mg/L	—	J-	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.378	—	—	5.00E-02	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.374	—	—	5.00E-02	ug/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.84	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	173	—	—	2.40E+00	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.457	—	—	3.30E-01	mg/L	J	J	10-3566	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.506	—	—	3.30E-01	mg/L	J	J	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.4	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	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	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.8	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.05	—	—	2.50E+00	ug/L	J	J	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	ug/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.47	—	—	2.50E+00	ug/L	J	J	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.935	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.946	—	—	1.00E-01	ug/L	—	—	10-3187	CAMO-10-16829	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
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.806	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.743	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.603	—	—	5.00E-01	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.738	—	—	5.00E-01	ug/L	J	U	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.757	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.677	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.606	—	—	5.00E-01	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.935	—	—	5.00E-01	ug/L	J	U	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.861	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.2	—	—	5.30E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.7	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.8	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.3	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22874	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	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	81.7	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.68	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.92	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.45	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	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	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	3.30E+00	ug/L	J	J	10-3187	CAMO-10-16829	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.53	—	—	3.30E+00	ug/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.01	—	—	3.30E+00	ug/L	J	J	10-3187	CAMO-10-16828	GELC
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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00515	2.40E-03	3.50E-02	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.27E-03	2.30E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0449	6.33E-01	6.00E+00	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.846	5.00E-01	5.00E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.78	5.33E-01	3.60E+00	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.15	5.33E-01	5.90E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.427	2.53E-01	2.90E+00	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.156	1.60E-01	2.20E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	9.32	5.00E-01	2.80E+00	—	pCi/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.6	2.83E-01	2.70E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.2	2.10E+00	1.50E+01	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.16	5.33E-01	2.80E+00	—	pCi/L	—	U	10-3187	CAMO-10-16828	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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.39	9.00E-01	9.10E+00	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.866	8.33E-01	8.20E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
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	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	2.60E-02	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0137	3.13E-03	3.10E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	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

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	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00391	1.30E-03	2.70E-02	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00391	1.60E-03	2.90E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17	6.33E+00	7.00E+01	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-21.9	7.00E+00	5.90E+01	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.73	5.67E-01	6.60E+00	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.5	4.67E-01	5.00E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.113	4.67E-02	4.70E-01	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.251	4.67E-02	4.70E-01	—	pCi/L	U	U	10-3187	CAMO-10-16828	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.435	1.67E-02	8.20E-02	—	pCi/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.459	1.63E-02	4.40E-02	—	pCi/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0397	4.33E-03	5.00E-02	—	pCi/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	2.53E-03	4.00E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
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	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.193	9.67E-03	5.70E-02	—	pCi/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.192	9.00E-03	4.00E-02	—	pCi/L	—	—	10-3187	CAMO-10-16828	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	07/02/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	3.74	—	—	2.20E+00	ug/L	J	J	10-3566	CAMO-10-22874	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	12.5	—	—	2.50E+00	ug/L	U	U	10-1466	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.5	—	—	2.10E+00	ug/L	U	U	10-540	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	U	09-2964	CAMO-09-10256	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.3	—	—	7.30E-01	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.029	—	—	1.60E-02	mg/L	J	J-	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.071	—	—	1.60E-02	mg/L	—	U	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.031	—	—	1.60E-02	mg/L	J	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.028	—	—	1.60E-02	mg/L	J	J-	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0228	—	—	1.60E-02	mg/L	J	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.58	—	—	6.60E-02	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.58	—	—	6.60E-02	mg/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.121	—	—	3.30E-02	mg/L	—	J-	10-3544	CAMO-10-22888	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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.143	—	—	3.30E-02	mg/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.347	—	—	5.00E-02	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.416	—	—	5.00E-02	mg/L	—	U	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.329	—	—	5.00E-02	ug/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.311	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	122	—	—	1.00E+00	uS/cm	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.89	—	—	1.00E-01	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.77	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.28	—	—	3.30E-01	mg/L	—	—	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.16	—	—	3.30E-01	mg/L	—	—	10-3098	CAMO-10-16830	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	07/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.97	—	—	1.00E-02	SU	H	J-	10-3098	CAMO-10-16832	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	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.2	—	—	5.30E-02	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.9	—	—	5.30E-02	mg/L	—	—	10-3098	CAMO-10-16832	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	07/01/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00894	1.33E-03	3.30E-02	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00537	1.30E-03	2.40E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.17	4.33E-01	4.10E+00	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.73	5.33E-01	4.70E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	—	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	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.17	4.33E-01	4.50E+00	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.678	4.33E-01	4.20E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.766	2.07E-01	2.20E+00	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.295	1.97E-01	2.40E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.41	2.80E-01	2.70E+00	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.35	3.13E-01	2.90E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	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
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	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	5.24	1.27E+00	1.70E+01	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	28.3	2.33E+00	3.20E+01	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.748	1.00E+00	1.00E+01	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.01	9.67E-01	1.00E+01	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00834	1.70E-03	2.80E-02	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00396	1.60E-03	3.10E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00417	1.70E-03	2.80E-02	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0198	2.30E-03	2.90E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24.5	5.67E+00	4.40E+01	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.98	6.00E+00	6.00E+01	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.644	4.67E-01	4.60E+00	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.931	4.67E-01	4.30E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.104	4.00E-02	4.90E-01	—	pCi/L	U	U	10-3544	CAMO-10-22890	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	05/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00173	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.364	1.33E-02	6.20E-02	—	pCi/L	—	—	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.32	1.23E-02	4.30E-02	—	pCi/L	—	—	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00602	2.83E-03	3.80E-02	—	pCi/L	U	U	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	2.43E-03	3.90E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.146	7.33E-03	4.30E-02	—	pCi/L	—	—	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.165	8.00E-03	3.90E-02	—	pCi/L	—	—	10-3097	CAMO-10-16830	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	07/01/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	13.6	—	—	2.10E+00	ug/L	—	—	10-3543	CAMO-10-22890	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
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	07/01/10	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	1.17	—	—	2.50E-01	ug/L	—	—	10-3543	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	1.38	—	—	2.50E-01	ug/L	—	—	10-3097	CAMO-10-16830	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-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.2	—	—	7.30E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.1	—	—	7.30E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.023	—	—	1.60E-02	mg/L	J	J-	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.039	—	—	1.60E-02	mg/L	J	U	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.065	—	—	1.60E-02	mg/L	—	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.71	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.36	—	—	6.60E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.89	—	—	6.60E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	J-	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	10-3285	CAMO-10-18980	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-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.5	—	—	3.50E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.8	—	—	3.50E-01	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.35	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.57	—	—	8.50E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.64	—	—	5.00E-02	mg/L	—	J-	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.7	—	—	5.00E-02	mg/L	—	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.695	—	—	5.00E-02	mg/L	—	J	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.454	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.32	—	—	5.00E-02	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	158	—	—	1.00E+00	uS/cm	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	uS/cm	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	uS/cm	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.03	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.39	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.71	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.38	—	—	3.30E-01	mg/L	J	J	10-3562	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3284	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.753	—	—	3.30E-01	mg/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	91.4	—	—	6.80E+01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	818	—	—	6.80E+01	ug/L	N	J+	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1620	—	—	6.80E+01	ug/L	—	—	10-3563	CAMO-10-22907	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-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	895	—	—	6.80E+01	ug/L	N	J+	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	125	—	—	6.80E+01	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.14	—	—	1.50E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.15	—	—	1.50E+00	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.85	—	—	1.50E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.65	—	—	1.50E+00	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.11	—	—	1.50E+00	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.32	—	—	1.50E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.2	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.1	—	—	1.50E+01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.27	—	—	2.50E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.58	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.56	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18978	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.31	—	—	2.50E+00	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.01	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18977	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.51	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	47.1	—	—	3.00E+01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	462	—	—	3.00E+01	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	83.1	—	—	3.00E+01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	671	—	—	3.00E+01	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	499	—	—	3.00E+01	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	153	—	—	3.00E+01	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.24	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.63	—	—	5.00E-01	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.29	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.62	—	—	2.00E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	29.9	—	—	2.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.04	—	—	2.00E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	13.5	—	—	2.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	29.2	—	—	2.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.27	—	—	2.00E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.32	—	—	1.00E-01	ug/L	—	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.5	—	—	1.00E-01	ug/L	U	U	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-2409	CAMO-10-13926	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-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.01	—	—	1.00E-01	ug/L	—	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.5	—	—	1.00E-01	ug/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.66	—	—	1.00E-01	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.556	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.833	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.552	—	—	5.00E-01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.987	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.838	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.4	—	—	5.30E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.7	—	—	5.30E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.8	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.5	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.8	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.4	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.8	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.667	—	—	5.00E-02	ug/L	—	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.48	—	—	5.00E-02	ug/L	—	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.69	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.766	—	—	5.00E-02	ug/L	—	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.39	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.68	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.61	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.66	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.99	—	—	3.30E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	103	—	—	3.30E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.41	—	—	3.30E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.9	—	—	3.30E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	99.7	—	—	3.30E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.44	—	—	3.30E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000869	1.13E-03	4.60E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00392	1.93E-03	2.50E-02	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000319	9.00E-04	2.60E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.921	5.33E-01	5.20E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.15	5.00E-01	5.40E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.91	5.33E-01	4.80E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.35	5.00E-01	3.90E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.515	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.14	3.13E-01	3.30E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.3	5.00E-01	3.00E+00	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.78	4.67E-01	1.90E+00	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.615	1.93E-01	2.10E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.47	3.67E-01	2.90E+00	—	pCi/L	—	—	10-3563	CAMO-10-22907	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-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.37	2.90E-01	2.50E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.81	2.90E-01	2.60E+00	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.63	1.27E+00	7.30E+00	—	pCi/L	—	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.7	2.63E+00	4.50E+01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.4	1.63E+00	1.10E+01	—	pCi/L	—	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.53	1.07E+00	1.00E+01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.41	1.03E+00	9.30E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.88	1.63E+00	1.30E+01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00391	5.00E-03	5.20E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.67E-03	1.50E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0144	2.53E-03	4.20E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	3.67E-03	5.30E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00954	3.20E-03	1.40E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0048	1.13E-03	2.90E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.1	6.33E+00	6.90E+01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.36	7.00E+00	7.40E+01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.38	4.33E+00	3.90E+01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.06	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	4.67E-01	4.10E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.00936	3.27E-01	3.20E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0766	4.33E-02	4.70E-01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00354	4.67E-02	4.90E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0601	4.00E-02	4.90E-01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.28	3.33E-02	4.80E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.27	3.33E-02	3.10E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.455	1.40E-02	2.90E-02	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0716	4.67E-03	2.90E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0556	4.00E-03	2.80E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.07E-03	2.30E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.76	2.17E-02	3.30E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.593	1.77E-02	2.80E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.217	8.00E-03	2.00E-02	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	3.16	—	—	2.20E+00	ug/L	J	J	10-3562	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	11.1	—	—	2.20E+00	ug/L	U	U	10-3284	CAMO-10-18979	GELC
R-50	9011	1185	05/27/10	WG	UF	RE	—	Svoa	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	UJ	10-3284	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.5	—	—	2.10E+00	ug/L	U	U	10-2408	CAMO-10-13924	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.023	—	—	1.60E-02	mg/L	J	J-	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.021	—	—	1.60E-02	mg/L	J	U	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.017	—	—	1.60E-02	mg/L	J	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.94	—	—	6.60E-02	mg/L	—	—	10-3563	CAMO-10-22904	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-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.68	—	—	6.60E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.73	—	—	6.60E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.289	—	—	3.30E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.312	—	—	3.30E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.1	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	3.50E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.1	—	—	3.50E-01	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	J-	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	J	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.23	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.485	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.455	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.452	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.13	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.09	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.98	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.95	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	uS/cm	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.15	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.59	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.22	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.562	—	—	3.30E-01	mg/L	J	J	10-3562	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.559	—	—	3.30E-01	mg/L	J	J	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.479	—	—	3.30E-01	mg/L	J	J	10-2347	CAMO-10-13852	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-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	UJ	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	117	—	—	6.80E+01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	127	—	—	6.80E+01	ug/L	J	J+	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.701	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.848	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.698	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.753	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.50E+01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.2	—	—	2.50E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	49.8	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18481	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	52.9	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	53.8	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	69.7	—	—	2.50E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.2	—	—	2.50E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	55.7	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18974	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.9	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	71	—	—	2.50E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	44.1	—	—	3.00E+01	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	3.00E+01	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	99.9	—	—	3.00E+01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.9	—	—	3.00E+01	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	UJ	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.783	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.571	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	UJ	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	69.2	—	—	2.00E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	90.6	—	—	2.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	17.6	—	—	2.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	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-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	68.5	—	—	2.00E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	89.5	—	—	2.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.5	—	—	2.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.39	—	—	1.00E-01	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.86	—	—	1.00E-01	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.31	—	—	1.00E-01	ug/L	—	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.4	—	—	1.00E-01	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.52	—	—	1.00E-01	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.33	—	—	1.00E-01	ug/L	—	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.27	—	—	5.00E-01	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.37	—	—	5.00E-01	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.4	—	—	5.30E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.2	—	—	5.30E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.2	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.3	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.509	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.523	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.846	—	—	5.00E-02	ug/L	—	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.559	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.61	—	—	1.00E+00	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.11	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.39	—	—	1.00E+00	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.12	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.97	—	—	1.00E+00	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	197	—	—	3.30E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	200	—	—	3.30E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.96	—	—	3.30E+00	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	191	—	—	3.30E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	186	—	—	3.30E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.30E+00	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0125	2.33E-03	3.70E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00627	1.70E-03	2.10E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00416	1.30E-03	2.60E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.51	7.00E-01	6.20E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.648	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.314	5.67E-01	5.40E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.37	6.67E-01	5.40E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.107	7.00E-01	6.90E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	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-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.18	7.00E-01	5.80E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.313	2.40E-01	2.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.135	1.57E-01	2.20E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.274	1.73E-01	2.10E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.151	2.33E-01	2.60E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.0163	2.13E-01	2.50E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.646	2.63E-01	2.70E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.22	1.53E+00	2.10E+01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	85.3	7.00E+00	8.20E+01	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	107	9.33E+00	1.00E+02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.23	9.00E-01	9.40E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.32	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.5	2.83E+00	2.40E+01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00622	3.33E-03	2.80E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00188	6.33E-04	3.00E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00421	2.43E-03	3.70E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.37E-03	2.80E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	9.00E-04	2.80E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0147	1.87E-03	2.50E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.995	5.33E+00	5.30E+01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.3	8.00E+00	9.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.86	6.00E+00	6.00E+01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.324	6.00E-01	5.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.158	5.33E-01	4.90E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.65	5.00E-01	5.40E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.047	4.00E-02	4.60E-01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0295	4.33E-02	4.60E-01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0629	4.67E-02	4.80E-01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.524	1.83E-02	7.90E-02	—	pCi/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.549	1.67E-02	2.90E-02	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.456	1.57E-02	4.40E-02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0303	4.00E-03	4.70E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	1.97E-03	2.70E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	2.07E-03	3.50E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.266	1.13E-02	5.50E-02	—	pCi/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.201	8.00E-03	2.70E-02	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.198	8.67E-03	3.10E-02	—	pCi/L	—	—	10-2347	CAMO-10-13852	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	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	10-1780	CASA-10-9473	GELC
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	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16769	GELC
R-10	6381	874	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1780	CASA-10-9473	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	6391	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	202	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9480	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	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16772	GELC
R-10	6391	1042	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9480	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-10a	6371	690	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	245	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9458	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	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16775	GELC
R-10a	6371	690	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9458	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-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.6	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.9	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.037	—	—	1.60E-02	mg/L	J	J-	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.04	—	—	1.60E-02	mg/L	J	U	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.72	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.76	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.392	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.9	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22658	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	05/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.5	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.05	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.12	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.25	—	—	2.50E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.23	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.838	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.79	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	227	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	224	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.63	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.73	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	208	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.40E+00	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.051	—	—	3.30E-02	mg/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-3068	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.033	—	—	3.30E-02	mg/L	J	J-	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-594	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.078	—	—	3.30E-02	mg/L	J	J-	09-2825	CASA-09-10366	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.463	—	—	3.30E-01	mg/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.51	—	—	3.30E-01	mg/L	J	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-594	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.581	—	—	3.30E-01	mg/L	J	J	09-2825	CASA-09-10366	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	31.5	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.5	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	28.6	—	—	1.50E+01	ug/L	J	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.50E+01	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32.9	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.8	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	29.4	—	—	1.50E+01	ug/L	J	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	ug/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	2.50E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	22.7	—	—	2.50E+00	ug/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	22.4	—	—	2.50E+00	ug/L	—	—	10-3069	CASA-10-16778	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	—	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	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.61	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.679	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.847	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.878	—	—	5.00E-01	ug/L	JN	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.597	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.619	—	—	5.00E-01	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.707	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.927	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.925	—	—	5.00E-01	ug/L	JN	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.598	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.617	—	—	5.00E-01	ug/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.9	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16777	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	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	90.2	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.863	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.664	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.858	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.24	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.79	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	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

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	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.24	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.08	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	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	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.33	—	—	3.30E+00	ug/L	J	J	10-3069	CASA-10-16777	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	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.77	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.7	—	—	3.30E+00	ug/L	J	J	10-3069	CASA-10-16778	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
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	07/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00182	7.00E-04	2.80E-02	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	6.00E-01	6.60E+00	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.36	4.33E-01	4.90E+00	—	pCi/L	U	U	10-3621	CASA-10-22657	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	08/17/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.1	2.36E-01	2.27E+00	—	pCi/L	U	U	191952	GF070800G11R01	GELC
R-11	5531	855	06/13/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.282	1.57E-01	2.13E+00	—	pCi/L	U	U	187921	GF070600G11R01	GELC
R-11	5531	855	02/13/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.734	8.07E-02	1.49E+00	—	pCi/L	U	U	180796	GF070200G11R01	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.89	2.37E-01	1.70E+00	—	pCi/L	—	U	10-3621	CASA-10-22657	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.71	1.77E-01	1.50E+00	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/17/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.27	2.47E-01	2.28E+00	—	pCi/L	U	U	191952	GU070800G11R01	GELC
R-11	5531	855	06/13/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.27	1.71E-01	1.25E+00	—	pCi/L	—	J	187921	GU070600G11R01	GELC
R-11	5531	855	02/13/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.21	1.46E-01	1.10E+00	—	pCi/L	—	J	180796	GU070200G11R01	GELC
R-11	5531	855	08/17/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	0.0401	2.83E-01	2.91E+00	—	pCi/L	U	U	191952	GF070800G11R01	GELC
R-11	5531	855	06/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.1	3.07E-01	2.88E+00	—	pCi/L	U	U	187921	GF070600G11R01	GELC
R-11	5531	855	02/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.48	2.90E-01	2.87E+00	—	pCi/L	U	U	180796	GF070200G11R01	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.09	4.00E-01	2.80E+00	—	pCi/L	—	—	10-3621	CASA-10-22657	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.693	2.00E-01	2.00E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/17/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.28	2.68E-01	2.64E+00	—	pCi/L	U	U	191952	GU070800G11R01	GELC
R-11	5531	855	06/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.589	2.73E-01	2.83E+00	—	pCi/L	U	U	187921	GU070600G11R01	GELC
R-11	5531	855	02/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.57	3.23E-01	3.20E+00	—	pCi/L	U	U	180796	GU070200G11R01	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

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	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	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	8.2	1.30E+00	3.70E+00	—	pCi/L	—	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.27	9.67E-01	9.40E+00	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	2.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00681	1.13E-03	2.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22657	GELC
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	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	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.3	6.67E+00	7.30E+01	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.88	5.00E-01	3.40E+00	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.354	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3621	CASA-10-22657	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	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	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.58	1.90E-02	6.70E-02	—	pCi/L	—	—	10-3621	CASA-10-22657	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

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	08/11/08	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	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	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0195	2.70E-03	4.10E-02	—	pCi/L	U	U	10-3621	CASA-10-22657	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
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	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	07/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.229	1.00E-02	4.70E-02	—	pCi/L	—	—	10-3621	CASA-10-22657	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-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	7.30E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.052	—	—	1.60E-02	mg/L	—	J-	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.07	—	—	1.60E-02	mg/L	—	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.2	—	—	6.60E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.06	—	—	6.60E-02	mg/L	—	—	10-3183	CASA-10-16781	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
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	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.256	—	—	3.30E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.9	—	—	3.50E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.1	—	—	3.50E-01	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	3.50E-01	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	10-3183	CASA-10-16779	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

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	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	3.50E-01	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.46	—	—	8.50E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	8.50E-02	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.47	—	—	8.50E-02	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.484	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.51	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.432	—	—	5.00E-02	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.417	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.99	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.04	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.92	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.1	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	1.00E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1.00E+00	uS/cm	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	248	—	—	1.00E+00	uS/cm	—	—	10-3183	CASA-10-16781	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
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.41	—	—	1.00E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.23	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	220	—	—	2.40E+00	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	217	—	—	2.40E+00	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.463	—	—	3.30E-01	mg/L	J	J	10-3610	CASA-10-22660	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.546	—	—	3.30E-01	mg/L	J	J	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-3183	CASA-10-16781	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	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.82	—	—	1.50E+00	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1826	CASA-10-9465	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.78	—	—	1.50E+00	ug/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.95	—	—	1.50E+00	ug/L	J	J	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	324	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	332	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	316	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	339	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.3	—	—	1.50E+01	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.3	—	—	1.50E+01	ug/L	J	J	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37	—	—	1.50E+01	ug/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.7	—	—	1.50E+01	ug/L	J	J	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.06	—	—	2.50E+00	ug/L	J	J	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.6	—	—	2.50E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13	—	—	2.50E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	34	—	—	3.00E+01	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	38.4	—	—	3.00E+01	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	113	—	—	3.00E+01	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	115	—	—	3.00E+01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9464	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	UF	CS	—	Metals	SW-846:6010B	Iron	—	125	—	—	3.00E+01	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	80.5	—	—	3.00E+01	ug/L	J	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.78	—	—	2.00E+00	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.28	—	—	2.00E+00	ug/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.05	—	—	2.00E+00	ug/L	J	J	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.00E-01	ug/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	10.7	—	—	5.00E-01	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.3	—	—	5.00E-01	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	ug/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.5	—	—	5.30E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.4	—	—	5.30E-02	mg/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	164	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	166	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.685	—	—	5.00E-02	ug/L	—	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.606	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.712	—	—	5.00E-02	ug/L	—	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16779	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.9	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22662	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	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.7	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	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	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.2	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
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	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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00654	1.20E-03	3.10E-02	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.371	4.33E-01	4.20E+00	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.969	3.67E-01	3.40E+00	—	pCi/L	U	U	10-3610	CASA-10-22660	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	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.821	1.33E-01	1.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	08/30/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.213	2.44E-01	2.95E+00	—	pCi/L	U	U, J-	192875	GF07080GR35a01	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.798	2.27E-01	2.40E+00	—	pCi/L	U	U	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.418	1.90E-01	2.60E+00	—	pCi/L	U	U	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.41	2.53E-01	2.10E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.186	1.37E-01	1.60E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	08/30/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.96	2.98E-01	2.50E+00	—	pCi/L	U	U, J-	192875	GU07080GR35a01	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.03	2.20E-01	1.90E+00	—	pCi/L	—	—	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	08/30/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.55	2.34E-01	1.76E+00	—	pCi/L	—	J-, J	192875	GF07080GR35a01	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.4	2.87E-01	2.80E+00	—	pCi/L	U	U	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.44	3.33E-01	2.10E+00	—	pCi/L	—	—	10-376	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.86	3.33E-01	2.10E+00	—	pCi/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.2	3.13E-01	2.10E+00	—	pCi/L	—	—	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	08/30/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.74	2.55E-01	1.99E+00	—	pCi/L	—	J-, J	192875	GU07080GR35a01	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	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.54	1.00E+00	2.70E+00	—	pCi/L	—	—	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.873	7.33E-01	7.60E+00	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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

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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00168	8.00E-04	2.20E-02	—	pCi/L	U	U	10-3610	CASA-10-22660	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
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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	8.00E-04	2.30E-02	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.05	5.00E+00	4.70E+01	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.08	3.67E-01	3.90E+00	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.233	4.00E-02	4.60E-01	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.476	1.67E-02	6.80E-02	—	pCi/L	—	—	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00651	2.17E-03	4.10E-02	—	pCi/L	U	U	10-3610	CASA-10-22660	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	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	07/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.176	8.33E-03	4.70E-02	—	pCi/L	—	—	10-3610	CASA-10-22660	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-35b	8351	825.4	07/13/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.1	—	—	7.30E-01	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.9	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16782	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

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	07/13/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.021	—	—	1.60E-02	mg/L	J	J-	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.051	—	—	1.60E-02	mg/L	—	U	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.296	—	—	1.60E-02	mg/L	—	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.061	—	—	1.60E-02	mg/L	—	U	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.65	—	—	6.60E-02	mg/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.68	—	—	6.60E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.402	—	—	3.30E-02	mg/L	—	J-	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.378	—	—	3.30E-02	mg/L	—	J-	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.2	—	—	3.50E-01	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.13	—	—	8.50E-02	mg/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.16	—	—	8.50E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.08	—	—	8.50E-02	mg/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.12	—	—	8.50E-02	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16783	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

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	07/13/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	1.2	---	---	5.00E-02	mg/L	---	J+	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	1.32	---	---	5.00E-02	mg/L	---	J+	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	1.4	---	---	5.00E-02	mg/L	---	J	10-3152	CASA-10-16782	GELC
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	07/13/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	---	0.617	---	---	5.00E-02	ug/L	---	---	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	SW-846:6850	Perchlorate	---	0.653	---	---	5.00E-02	ug/L	---	---	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	SW-846:6850	Perchlorate	---	0.561	---	---	5.00E-02	ug/L	---	---	10-3152	CASA-10-16782	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	07/13/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	---	1.98	---	---	5.00E-02	mg/L	---	---	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	1.93	---	---	5.00E-02	mg/L	---	---	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	2.04	---	---	5.00E-02	mg/L	---	---	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	---	1.93	---	---	5.00E-02	mg/L	---	---	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	1.96	---	---	5.00E-02	mg/L	---	---	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	2.05	---	---	5.00E-02	mg/L	---	---	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	---	11.4	---	---	1.00E-01	mg/L	---	---	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	11.4	---	---	1.00E-01	mg/L	---	---	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	11	---	---	1.00E-01	mg/L	---	---	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	---	11.3	---	---	1.00E-01	mg/L	---	---	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	---	Geninorg	SW-846:6010B	Sodium	---	11.4	---	---	1.00E-01	mg/L	---	---	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	---	Geninorg	SW-846:6010B	Sodium	---	11.1	---	---	1.00E-01	mg/L	---	---	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	---	169	---	---	1.00E+00	uS/cm	---	---	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	EPA:120.1	Specific Conductance	---	169	---	---	1.00E+00	uS/cm	---	---	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	EPA:120.1	Specific Conductance	---	176	---	---	1.00E+00	uS/cm	---	---	10-3152	CASA-10-16782	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	07/13/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	---	3.5	---	---	1.00E-01	mg/L	---	---	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	3.51	---	---	1.00E-01	mg/L	---	---	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	3.56	---	---	1.00E-01	mg/L	---	---	10-3152	CASA-10-16782	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	07/13/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	---	171	---	---	2.40E+00	mg/L	---	---	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	---	Geninorg	EPA:160.1	Total Dissolved Solids	---	183	---	---	2.40E+00	mg/L	---	---	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	---	Geninorg	EPA:160.1	Total Dissolved Solids	---	183	---	---	2.40E+00	mg/L	---	---	10-3152	CASA-10-16782	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

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:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.498	—	—	3.30E-01	mg/L	J	J	10-3678	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.466	—	—	3.30E-01	mg/L	J	J	10-3678	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3151	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	1.00E-02	SU	H	J-	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16782	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
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	07/13/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	1.74	—	—	1.50E+00	ug/L	J	J	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.34	—	—	1.50E+00	ug/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	25	—	—	7.50E+00	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	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	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	2.04	—	—	1.50E+00	ug/L	J	J	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	ug/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.77	—	—	1.50E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	25	—	—	7.50E+00	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	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	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	ug/L	J	J	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.1	—	—	1.50E+01	ug/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	ug/L	J	J	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.50E+01	ug/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.9	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	7.4	—	—	2.50E+00	ug/L	J	J	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.19	—	—	2.50E+00	ug/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.63	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-1826	CASA-10-9467	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	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	2.50E+00	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.83	—	—	2.50E+00	ug/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	7.17	—	—	2.50E+00	ug/L	J	J	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.29	—	—	2.50E+00	ug/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.82	—	—	2.50E+00	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.72	—	—	2.00E+00	ug/L	J	J	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.64	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16782	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	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.25	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.52	—	—	5.00E-01	ug/L	J	J	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.882	—	—	5.00E-01	ug/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.856	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.948	—	—	5.00E-01	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	ug/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.797	—	—	5.00E-01	ug/L	J	J	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.852	—	—	5.00E-01	ug/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.802	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	73.9	—	—	5.30E-02	mg/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.2	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16782	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
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	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	65.8	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.3	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.5	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	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



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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	65.1	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.7	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.3	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.307	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.307	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.345	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.308	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.319	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.351	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.9	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	27.8	—	—	3.30E+00	ug/L	—	—	10-3679	CASA-10-22691	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.3	—	—	3.30E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	36.2	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16782	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	07/13/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	27.1	—	—	3.30E+00	ug/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.3	—	—	3.30E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16783	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	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	07/13/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00826	1.47E-03	3.10E-02	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00377	1.20E-03	3.40E-02	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-1.49	5.00E-01	4.60E+00	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.54	4.33E-01	4.90E+00	—	pCi/L	U	U	10-3679	CASA-10-22663	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

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	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
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	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	07/13/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	2.34	5.00E-01	5.70E+00	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.602	4.67E-01	5.00E+00	—	pCi/L	U	U	10-3679	CASA-10-22663	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	04/27/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.738	1.97E-01	2.00E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	08/29/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.38	2.27E-01	1.91E+00	—	pCi/L	U	U, J-	192875	GF07080GR35b01	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.61	3.20E-01	3.00E+00	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.89	3.67E-01	2.60E+00	—	pCi/L	—	U	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.146	2.07E-01	2.70E+00	—	pCi/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.44	2.37E-01	2.80E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.213	1.03E-01	1.20E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	08/29/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.337	1.15E-01	2.09E+00	—	pCi/L	U	J-, U	192875	GU07080GR35b01	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.22	2.73E-01	2.30E+00	—	pCi/L	—	—	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	08/29/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.1	3.22E-01	2.60E+00	—	pCi/L	—	J, J-	192875	GF07080GR35b01	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.76	2.87E-01	2.70E+00	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.52	3.13E-01	2.80E+00	—	pCi/L	U	U	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.23	3.67E-01	2.90E+00	—	pCi/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.09	2.10E-01	2.00E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.03	2.30E-01	2.10E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	08/29/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.74	2.73E-01	2.60E+00	—	pCi/L	U	U, J-	192875	GU07080GR35b01	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	07/13/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	33.5	4.33E+00	1.80E+01	—	pCi/L	—	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.8	1.73E+00	1.80E+01	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	1.86	1.00E+00	1.00E+01	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.49	1.17E+00	1.20E+01	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0	1.10E-03	3.10E-02	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0052	1.23E-03	3.50E-02	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00469	1.57E-03	3.20E-02	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	8.67E-04	3.50E-02	—	pCi/L	U	U	10-3679	CASA-10-22663	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

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	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	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	07/13/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	8.02	6.67E+00	7.20E+01	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.2	6.33E+00	6.40E+01	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.25	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.17	6.00E-01	6.60E+00	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.00708	4.33E-02	5.20E-01	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.186	4.33E-02	4.50E-01	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.236	1.00E-02	6.60E-02	—	pCi/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.21	9.33E-03	6.60E-02	—	pCi/L	—	—	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0	1.50E-03	4.00E-02	—	pCi/L	U	U	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00955	2.40E-03	4.00E-02	—	pCi/L	U	U	10-3679	CASA-10-22663	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	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	07/13/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.121	6.67E-03	4.60E-02	—	pCi/L	—	—	10-3679	CASA-10-22690	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0824	5.67E-03	4.60E-02	—	pCi/L	—	—	10-3679	CASA-10-22663	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-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.5	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22702	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16793	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
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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.6	—	—	6.60E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.63	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.417	—	—	3.30E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.48	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.2	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.25	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.02	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.49	—	—	1.00E-01	mg/L	—	J	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.00E-01	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.00E-01	ug/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16792	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	—	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16793	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
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	204	—	—	1.00E+00	uS/cm	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.03	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.40E+00	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.645	—	—	3.30E-01	mg/L	J	J	10-3649	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.568	—	—	3.30E-01	mg/L	J	J	10-3151	CASA-10-16793	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	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.6	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.6	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.50E+01	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.50E+00	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.89	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22702	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	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.84	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.97	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.92	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.17	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.33	—	—	5.00E-01	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	ug/L	J	J	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1	—	—	1.00E+00	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1644	CASA-10-9494	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.19	—	—	1.00E+00	ug/L	J	J	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	76.3	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.3	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.2	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.352	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.334	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16793	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

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	Uranium	—	0.348	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.1	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	49.9	—	—	3.30E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	67.3	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16792	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	51.6	—	—	3.30E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.6	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0233	2.33E-03	3.90E-02	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.37E-03	2.70E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	4.48	8.33E-01	4.10E+00	—	pCi/L	UI	R	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.228	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.706	5.67E-01	5.70E+00	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.74	5.33E-01	6.10E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.264	1.67E-01	2.70E+00	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.46	2.67E-01	2.30E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.59	4.67E-01	3.00E+00	—	pCi/L	—	—	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.16	2.67E-01	2.30E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.18	1.20E+00	1.20E+01	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18	2.43E+00	9.40E+00	—	pCi/L	—	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.768	8.67E-01	8.50E+00	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.311	1.00E+00	9.60E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	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
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

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	—	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0111	1.87E-03	3.70E-02	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.10E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00556	1.87E-03	3.80E-02	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00197	1.47E-03	2.90E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.5	6.67E+00	7.10E+01	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.52	7.00E+00	7.30E+01	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.04	4.33E-01	4.60E+00	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.26	4.67E-01	3.90E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.185	2.87E-02	4.10E-01	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.327	5.00E-02	4.70E-01	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.268	1.37E-02	1.40E-01	—	pCi/L	—	—	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.261	1.00E-02	3.40E-02	—	pCi/L	—	—	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.97E-03	6.50E-02	—	pCi/L	U	U	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0127	2.27E-03	3.10E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	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	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.119	8.33E-03	8.30E-02	—	pCi/L	—	—	10-3651	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.105	5.67E-03	3.10E-02	—	pCi/L	—	—	10-3152	CASA-10-16793	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-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.3	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	40.4	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.127	—	—	6.60E-02	mg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.115	—	—	6.60E-02	mg/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.114	—	—	6.60E-02	mg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16794	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	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.79	—	—	6.60E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.81	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.292	—	—	3.30E-02	mg/L	—	J-	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.343	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.6	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.67	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.71	—	—	1.00E-01	mg/L	—	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.51	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.948	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.851	—	—	5.00E-02	ug/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16794	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
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

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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.19	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.65	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.55	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	184	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.748	—	—	3.30E-01	mg/L	J	J	10-3716	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.879	—	—	3.30E-01	mg/L	J	J	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16794	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.26	—	—	1.50E+00	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	3.48	—	—	1.50E+00	ug/L	—	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.72	—	—	1.50E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	3.57	—	—	1.50E+00	ug/L	—	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.5	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	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

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	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.7	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	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
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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.7	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.39	—	—	2.50E+00	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.71	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16794	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	—	3.4	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3896	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	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	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.50E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.25	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.62	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.28	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.34	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	5.30E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.1	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16794	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
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

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	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.9	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.1	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.104	—	—	5.00E-02	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.115	—	—	5.00E-02	ug/L	J	U	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.117	—	—	5.00E-02	ug/L	J	J	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.116	—	—	5.00E-02	ug/L	J	U	10-3108	CASA-10-16795	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.26	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.76	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.75	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00121	1.00E-03	4.00E-02	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00736	1.13E-03	2.10E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.736	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.94	5.00E-01	5.10E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.614	5.00E-01	5.10E+00	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.46	5.00E-01	4.20E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	6.9	5.33E-01	2.70E+00	—	pCi/L	—	—	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.31	1.30E-01	2.30E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.34	2.90E-01	2.90E+00	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.12	2.50E-01	2.50E+00	—	pCi/L	—	—	10-3107	CASA-10-16795	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	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.6	2.47E+00	1.10E+01	—	pCi/L	—	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	70	5.00E+00	5.80E+01	—	pCi/L	—	—	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.38	9.33E-01	9.30E+00	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.47	1.00E+00	9.90E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0114	3.13E-03	3.00E-02	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00477	1.13E-03	3.80E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00227	2.27E-03	3.10E-02	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00477	1.93E-03	3.50E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.876	5.67E+00	5.70E+01	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-55	6.33E+00	5.20E+01	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.421	5.33E-01	5.30E+00	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.659	4.67E-01	4.80E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.111	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00616	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0578	3.67E-03	4.30E-02	—	pCi/L	—	—	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0921	5.67E-03	4.20E-02	—	pCi/L	—	—	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0102	1.83E-03	2.60E-02	—	pCi/L	U	U	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00316	1.07E-03	3.80E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0398	3.17E-03	3.00E-02	—	pCi/L	—	—	10-3718	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0332	3.33E-03	3.80E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	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	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	6.27	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.88	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.2	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.08	—	—	1.60E-02	mg/L	—	J-	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.061	—	—	1.60E-02	mg/L	—	U	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.057	—	—	1.60E-02	mg/L	—	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.044	—	—	1.60E-02	mg/L	J	U	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.028	—	—	1.60E-02	mg/L	J	J-	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.41	—	—	6.60E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.38	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	J-	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.299	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.6	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.45	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.9	—	—	5.00E-02	mg/L	—	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.9	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	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

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	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.434	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	—	10-3108	CASA-10-16798	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
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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.15	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.82	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.40E+00	mg/L	—	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.519	—	—	3.30E-01	mg/L	J	J	10-3716	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.475	—	—	3.30E-01	mg/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-1596	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.458	—	—	3.30E-01	mg/L	J	J	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.641	—	—	3.30E-01	mg/L	J	J	09-2938	CASA-09-10402	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.71	—	—	1.00E-02	SU	H	J-	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.64	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.609	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.637	—	—	5.00E-01	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.595	—	—	5.00E-01	ug/L	J	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.619	—	—	5.00E-01	ug/L	—	U	10-636	CASA-10-3860	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.596	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.614	—	—	5.00E-01	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.602	—	—	5.00E-01	ug/L	J	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.572	—	—	5.00E-01	ug/L	—	U	10-636	CASA-10-3861	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.44	—	—	1.50E+00	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.64	—	—	1.50E+00	ug/L	—	U	10-636	CASA-10-3860	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.87	—	—	1.50E+00	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5.54	—	—	1.50E+00	ug/L	—	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.6	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.2	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.8	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.6	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.97	—	—	2.50E+00	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.53	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.39	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9839	GELC
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	<	10	—	—	2.50E+00	ug/L	U	U	10-636	CASA-10-3897	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.04	—	—	2.50E+00	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.42	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16799	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	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	69.6	—	—	3.00E+01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	30.2	—	—	3.00E+01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	226	—	—	3.00E+01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.8	—	—	3.00E+01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.36	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.25	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.75	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.35	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.993	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.18	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16798	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



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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.9	—	—	5.30E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.3	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.6	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.2	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.6	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	J	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	5.00E-02	ug/L	—	J	10-3108	CASA-10-16799	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.73	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.33	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.72	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.79	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	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
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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00526	2.40E-03	3.70E-02	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0029	7.00E-04	2.20E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.702	4.67E-01	4.40E+00	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.767	4.67E-01	4.50E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.614	4.67E-01	4.30E+00	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.3	4.33E-01	4.60E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.663	2.37E-01	2.70E+00	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.05	3.67E-01	2.30E+00	—	pCi/L	—	U	10-3107	CASA-10-16799	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

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	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.84	3.03E-01	2.90E+00	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.07	2.53E-01	2.50E+00	—	pCi/L	—	—	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	12.7	1.43E+00	8.30E+00	—	pCi/L	—	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	87.3	5.00E+00	5.00E+01	—	pCi/L	—	—	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.182	9.33E-01	8.90E+00	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.64	9.00E-01	8.60E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00187	1.07E-03	2.50E-02	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00194	6.33E-04	3.10E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0131	2.07E-03	2.50E-02	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00776	1.60E-03	2.90E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.0522	6.33E+00	6.70E+01	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	36.2	5.33E+00	6.00E+01	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.112	3.67E-01	3.70E+00	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.957	4.00E-01	4.10E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.186	4.67E-02	4.80E-01	—	pCi/L	U	U	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.889	6.33E-02	4.30E-01	—	pCi/L	—	—	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	05/10/10	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	-0.187	4.00E-02	5.00E-01	—	pCi/L	U	U	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.12	2.97E-02	4.50E-02	—	pCi/L	—	—	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.08	3.27E-02	5.00E-02	—	pCi/L	—	—	10-3107	CASA-10-16799	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0756	4.67E-03	2.70E-02	—	pCi/L	—	—	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0191	3.33E-03	4.60E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	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
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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.446	1.40E-02	3.10E-02	—	pCi/L	—	—	10-3718	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.423	1.60E-02	4.60E-02	—	pCi/L	—	—	10-3107	CASA-10-16799	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	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
SCI-1	8211	358.4	07/12/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	98.5	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.957	—	—	6.60E-02	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.937	—	—	6.60E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.02	—	—	6.60E-02	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	69.4	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.3	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.2	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	70.3	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.9	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.3	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	80.5	—	—	6.60E-01	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.5	—	—	6.60E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.6	—	—	6.60E-01	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.154	—	—	3.30E-02	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	214	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	220	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	215	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	217	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	209	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	218	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	9.87	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22647	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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.63	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.12	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.14	—	—	5.00E-02	mg/L	—	J	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.947	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.983	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.868	—	—	5.00E-02	ug/L	—	J	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	63	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.6	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	62.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.8	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.6	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	713	—	—	1.00E+00	uS/cm	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	715	—	—	1.00E+00	uS/cm	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	731	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	86.4	—	—	1.00E+00	mg/L	—	—	10-3650	CASA-10-22649	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	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	89.9	—	—	1.00E+00	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	92.9	—	—	1.00E+00	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	489	—	—	2.40E+00	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	484	—	—	2.40E+00	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	488	—	—	2.40E+00	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.53	—	—	3.30E-01	mg/L	—	—	10-3649	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.54	—	—	3.30E-01	mg/L	—	—	10-3649	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.41	—	—	3.30E-01	mg/L	—	—	10-3090	CASA-10-16757	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
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	07/12/10	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.45	—	—	1.50E-02	mg/L	—	J	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.937	—	—	1.50E-02	mg/L	—	J	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.842	—	—	1.50E-02	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.53	—	—	1.00E-02	SU	H	J-	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16756	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	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.35	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	8.56	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.04	—	—	1.50E+00	ug/L	J	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	1.89	—	—	1.50E+00	ug/L	J	J	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.01	—	—	1.50E+00	ug/L	J	J	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.8	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.68	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.58	—	—	1.50E+00	ug/L	J	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	37	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.2	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	82.4	—	—	1.50E+01	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	82.8	—	—	1.50E+01	ug/L	—	—	10-3650	CASA-10-22647	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	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	86.2	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	82.6	—	—	1.50E+01	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.4	—	—	1.50E+01	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.1	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	15.4	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	16.2	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.9	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	97	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	96.8	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	92.5	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	94.6	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	96.8	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	92.3	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	6.02	—	—	5.00E-01	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.26	—	—	5.00E-01	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.43	—	—	5.00E-01	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	5.79	—	—	5.00E-01	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.06	—	—	5.00E-01	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	ug/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	62.2	—	—	5.30E-02	mg/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	5.30E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.8	—	—	5.30E-02	mg/L	—	—	10-3090	CASA-10-16756	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	327	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22649	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	334	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	303	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	332	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16757	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	07/12/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	2.83	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22649	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.76	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.61	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16756	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	07/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	2.59	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.71	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.64	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16757	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
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	07/12/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.0167	1.97E-03	3.80E-02	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0296	3.33E-03	4.20E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-1.11	4.33E-01	3.90E+00	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.837	4.67E-01	4.60E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.251	5.00E-01	4.90E+00	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.76	5.00E-01	4.40E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	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	08/22/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.73	4.57E-01	2.91E+00	—	pCi/L	—	J	192311	GF070800SCI101	GELC
SCI-1	8211	358.4	06/15/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.68	2.64E-01	1.95E+00	—	pCi/L	—	J	188134	GF070600SCI101	GELC
SCI-1	8211	358.4	04/11/07	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	2.52	3.83E-01	3.36E+00	—	pCi/L	U	U	184161	GF070400SCI101	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	4.88	4.67E-01	3.00E+00	—	pCi/L	—	—	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.4	4.33E-01	2.90E+00	—	pCi/L	—	U	10-3651	CASA-10-22646	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.89	4.67E-01	3.10E+00	—	pCi/L	—	U	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	08/22/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5	4.43E-01	2.66E+00	—	pCi/L	—	J	192311	GU070800SCI101	GELC
SCI-1	8211	358.4	06/15/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.698	2.21E-01	2.31E+00	—	pCi/L	U	U	188134	GU070600SCI101	GELC
SCI-1	8211	358.4	04/11/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.58	5.27E-01	3.26E+00	—	pCi/L	—	J	184161	GU070400SCI101	GELC
SCI-1	8211	358.4	08/22/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.8	3.87E-01	3.35E+00	—	pCi/L	—	J	192311	GF070800SCI101	GELC
SCI-1	8211	358.4	06/15/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.43	3.02E-01	2.97E+00	—	pCi/L	U	U	188134	GF070600SCI101	GELC
SCI-1	8211	358.4	04/11/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.33	2.28E-01	2.12E+00	—	pCi/L	—	J	184161	GF070400SCI101	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	6.11	4.33E-01	3.00E+00	—	pCi/L	—	—	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.414	2.80E-01	3.00E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.25	1.80E-01	1.70E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/22/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.5	4.67E-01	4.16E+00	—	pCi/L	—	J	192311	GU070800SCI101	GELC
SCI-1	8211	358.4	06/15/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.54	3.43E-01	3.03E+00	—	pCi/L	—	J	188134	GU070600SCI101	GELC
SCI-1	8211	358.4	04/11/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3	2.30E-01	2.17E+00	—	pCi/L	—	J	184161	GU070400SCI101	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	07/12/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	39.9	4.67E+00	4.90E+01	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	24.4	3.30E+00	1.90E+01	—	pCi/L	—	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	1.46	8.33E-01	8.40E+00	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.869	9.00E-01	9.20E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00199	6.67E-04	2.70E-02	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.40E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00399	1.63E-03	2.70E-02	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00181	1.37E-03	2.50E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	5.15	6.33E+00	6.60E+01	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.6	7.00E+00	7.10E+01	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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



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	05/21/08	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	07/12/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.606	5.00E-01	4.60E+00	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.555	3.67E-01	3.50E+00	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.129	2.87E-02	2.80E-01	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0308	3.10E-02	3.50E-01	—	pCi/L	U	U	10-3651	CASA-10-22646	GELC
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	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	07/12/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	1.59	4.67E-02	1.40E-01	—	pCi/L	—	—	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.64	4.67E-02	1.30E-01	—	pCi/L	—	—	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0485	5.67E-03	6.70E-02	—	pCi/L	U	U	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0166	5.00E-03	6.10E-02	—	pCi/L	U	U	10-3651	CASA-10-22646	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	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	07/12/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.814	2.83E-02	8.60E-02	—	pCi/L	—	—	10-3651	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.774	2.67E-02	7.80E-02	—	pCi/L	—	—	10-3651	CASA-10-22646	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	07/12/10	WG	UF	CS	FD	Voa	SW-846:8260B	Chloroform	—	0.48	—	—	2.50E-01	ug/L	J	J	10-3649	CASA-10-22648	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.56	—	—	2.50E-01	ug/L	J	J	10-3649	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.5	—	—	2.50E-01	ug/L	J	J	10-3090	CASA-10-16757	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-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.3	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.9	—	—	7.30E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
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	07/15/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.018	—	—	1.60E-02	mg/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.061	—	—	1.60E-02	mg/L	—	U	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.465	—	—	6.60E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.475	—	—	6.60E-02	mg/L	—	J+	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.4	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.7	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	59.6	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.9	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.3	—	—	6.60E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54	—	—	6.60E-01	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00753	—	—	1.70E-03	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00475	—	—	1.70E-03	mg/L	J	J	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	3.30E-02	mg/L	—	J-	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.318	—	—	3.30E-02	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	219	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	206	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	213	—	—	3.50E-01	mg/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14	—	—	8.50E-02	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.9	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.2	—	—	8.50E-02	mg/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.78	—	—	1.00E-01	mg/L	—	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.64	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.08	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.979	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.31	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.44	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.12	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.8	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	584	—	—	1.00E+00	uS/cm	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	587	—	—	1.00E+00	uS/cm	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	87.5	—	—	1.00E+00	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	83.3	—	—	1.00E+00	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.40E+00	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	415	—	—	2.40E+00	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.045	—	—	3.30E-02	mg/L	J	J	10-3716	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.151	—	—	3.30E-02	mg/L	—	J+	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.038	—	—	3.30E-02	mg/L	J	J	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	3.30E-01	mg/L	—	—	10-3716	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.797	—	—	3.30E-01	mg/L	J	J	10-3084	CASA-10-16763	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

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	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	1.00E-02	SU	H	J-	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	10-3084	CASA-10-16761	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
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.4	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.2	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	57.5	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.2	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.4	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	545	—	—	2.50E+00	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	526	—	—	2.50E+00	ug/L	—	—	10-3084	CASA-10-16761	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	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	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	—	510	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10368	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	525	—	—	2.50E+00	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	529	—	—	2.50E+00	ug/L	—	—	10-3084	CASA-10-16763	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	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1696	CASA-10-9490	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	41.8	—	—	3.00E+01	ug/L	J	J	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	158	—	—	3.00E+01	ug/L	—	—	10-3084	CASA-10-16763	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
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.29	—	—	2.00E+00	ug/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.39	—	—	2.00E+00	ug/L	J	J	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.55	—	—	2.00E+00	ug/L	J	J	10-3717	CASA-10-22650	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	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.01	—	—	2.00E+00	ug/L	J	J	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.808	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.855	—	—	1.00E-01	ug/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.845	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.993	—	—	1.00E-01	ug/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19.3	—	—	5.00E-01	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	15.8	—	—	5.00E-01	ug/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.4	—	—	5.00E-01	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.1	—	—	5.00E-01	ug/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.2	—	—	5.30E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58	—	—	5.30E-02	mg/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	305	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	280	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	308	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16761	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	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16763	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
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	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.06	—	—	1.00E+00	ug/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	ug/L	J	J	10-3084	CASA-10-16761	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

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	—	Metals	SW-846:6010B	Vanadium	—	1.58	—	—	1.00E+00	ug/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.15	—	—	1.00E+00	ug/L	J	J	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.61	—	—	1.00E+00	ug/L	J	J	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00643	1.50E-03	3.70E-02	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00744	1.33E-03	2.10E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.15	6.33E-01	6.50E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.507	2.90E-01	3.00E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.582	5.00E-01	4.70E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.184	3.67E-01	3.50E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.935	2.70E-01	2.80E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.21	1.63E-01	2.80E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	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
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	07/15/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.69	3.67E-01	2.80E+00	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.64	3.13E-01	1.90E+00	—	pCi/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19.1	2.30E+00	1.40E+01	—	pCi/L	—	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.2	3.07E+00	2.40E+01	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.02	9.00E-01	8.50E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.685	6.33E-01	6.10E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00231	1.10E-03	3.10E-02	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0037	3.03E-03	2.90E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0185	2.90E-03	3.10E-02	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0074	2.13E-03	2.70E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	22.8	7.00E+00	7.80E+01	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.97	4.67E+00	4.70E+01	—	pCi/L	U	U	10-3084	CASA-10-16763	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	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	07/15/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.24	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.794	3.67E-01	3.80E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.181	5.00E-02	4.90E-01	—	pCi/L	U	U	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	4.54	1.60E-01	4.30E-01	—	pCi/L	—	R	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	05/06/10	WG	UF	RE	—	Rad	EPA:905.0	Strontium-90	<	0.303	5.00E-02	4.90E-01	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.736	2.07E-02	4.20E-02	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.771	2.50E-02	5.00E-02	—	pCi/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0346	3.20E-03	2.50E-02	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00753	1.80E-03	4.60E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.429	1.33E-02	2.90E-02	—	pCi/L	—	—	10-3718	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.393	1.50E-02	4.60E-02	—	pCi/L	—	—	10-3084	CASA-10-16763	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	07/15/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.37	—	—	2.50E-01	ug/L	J	J	10-3716	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.33	—	—	2.50E-01	ug/L	J	J	10-3084	CASA-10-16763	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
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	489	—	—	1.00E+00	uS/cm	—	—	10-3172	CASA-10-16687	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	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-3172	CASA-10-16687	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	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0067	3.13E-03	2.70E-02	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.0124	3.30E-03	4.30E-02	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0194	2.27E-03	4.30E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00491	1.37E-03	3.50E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00439	1.00E-03	3.00E-02	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.48	3.27E-01	3.10E+00	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	3.97	5.00E-01	5.80E+00	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0948	4.67E-01	4.60E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.53	3.67E-01	3.70E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.609	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.04	3.20E-01	2.80E+00	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.655	4.00E-01	4.40E+00	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0936	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.389	3.67E-01	3.60E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1	4.67E-01	4.20E+00	—	pCi/L	U	U	08-1642	CASA-08-14332	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	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.57	2.53E-01	2.10E+00	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0165	1.27E-01	2.00E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.04	2.57E-01	2.60E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	14	1.01E+00	6.44E+00	—	pCi/L	—	J	202111	GU080100M12301	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:900	Gross beta	—	11.9	5.67E-01	2.70E+00	—	pCi/L	—	—	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	13.8	6.00E-01	2.30E+00	—	pCi/L	—	—	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	14.9	6.33E-01	2.20E+00	—	pCi/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:900	Gross beta	—	19.9	2.10E+00	1.77E+01	—	pCi/L	—	J	202111	GU080100M12301	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	15	1.37E+01	2.70E+01	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	14.8	1.60E+00	1.50E+01	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.7	2.67E+00	1.50E+01	—	pCi/L	—	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.3	5.00E+00	3.00E+01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	14.9	4.00E+00	2.90E+01	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.14	2.47E+00	2.60E+01	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	4.72	9.67E-01	1.00E+01	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.11	9.67E-01	9.30E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.6	3.03E+00	2.70E+01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.4	3.33E+00	3.30E+01	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00362	2.70E-03	2.50E-02	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00195	6.67E-04	2.60E-02	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	3.33E-03	3.00E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0017	1.00E-03	2.70E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00543	2.00E-03	2.50E-02	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00181	1.60E-03	3.10E-02	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00195	1.13E-03	2.60E-02	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00673	1.67E-03	3.00E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00681	1.13E-03	3.30E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00543	1.60E-03	3.10E-02	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.9	5.00E+00	4.80E+01	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-10.2	7.67E+00	7.90E+01	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.94	6.33E+00	6.90E+01	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.77	4.67E+00	4.60E+01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18	6.33E+00	6.50E+01	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.192	3.33E-01	3.30E+00	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.43	5.00E-01	5.50E+00	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.08	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.37	3.67E-01	3.20E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.693	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.228	2.67E-02	2.80E-01	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.0726	3.67E-02	4.60E-01	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.125	3.67E-02	4.90E-01	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.434	5.00E-02	4.60E-01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0307	2.07E-02	2.20E-01	—	pCi/L	U	U	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.155	9.33E-03	1.40E-01	—	pCi/L	—	—	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	HASL-300	Uranium-234	<	0.116	9.33E-03	1.60E-01	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.124	9.00E-03	1.60E-01	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.144	7.67E-03	9.20E-02	—	pCi/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.15	9.33E-03	1.40E-01	—	pCi/L	—	—	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0147	3.67E-03	7.80E-02	—	pCi/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0	3.23E-03	7.60E-02	—	pCi/L	U	U	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00669	4.00E-03	7.40E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00332	1.57E-03	5.20E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0195	4.00E-03	7.70E-02	—	pCi/L	U	U	08-1642	CASA-08-14332	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	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.115	9.33E-03	7.10E-02	—	pCi/L	—	—	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.122	9.00E-03	9.70E-02	—	pCi/L	—	—	10-3646	CASA-10-22575	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0866	8.00E-03	9.50E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.118	6.67E-03	4.90E-02	—	pCi/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.13	8.67E-03	7.10E-02	—	pCi/L	—	—	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	RE	—	Svoa	SW-846:8270C	Benzoic Acid	—	14.8	—	—	6.00E+00	ug/L	J	J	10-3644	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	<	21.7	—	—	6.50E+00	ug/L	U	U	09-2812	CASA-09-10309	GELC
Sandia below Wetlands	—	—	08/11/08	WS	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	<	24.7	—	—	7.40E+00	ug/L	U	R	08-1641	CASA-08-14332	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	572	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16681	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	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16681	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	—	—	06/09/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00787	1.85E-03	3.80E-02	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0213	2.17E-03	3.60E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00422	9.00E-04	3.00E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00171	2.49E-03	3.11E-02	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0179	2.44E-03	4.54E-02	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00743	2.37E-03	3.70E-02	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.62	2.58E-01	3.05E+00	—	pCi/L	UI	R	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.482	5.33E-01	5.30E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.79	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	4.07E-01	3.84E+00	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.224	2.25E-01	2.31E+00	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.438	3.93E-01	3.86E+00	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.65	2.18E-01	2.66E+00	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.697	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.757	5.00E-01	4.30E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.822	4.47E-01	4.18E+00	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.941	2.07E-01	2.05E+00	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.12	3.19E-01	4.00E+00	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.269	2.72E-01	2.65E+00	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.258	1.70E-01	2.20E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.39	2.07E-01	2.80E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.32	4.23E-01	2.41E+00	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.752	2.51E-01	2.87E+00	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0478	1.98E-01	2.06E+00	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	8.27	2.25E-01	1.64E+00	—	pCi/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	12.8	5.67E-01	2.50E+00	—	pCi/L	—	—	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	13	6.33E-01	2.90E+00	—	pCi/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:900	Gross beta	—	22.7	9.63E-01	3.55E+00	—	pCi/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	11.1	3.27E-01	2.76E+00	—	pCi/L	—	—	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	9.1	2.48E-01	1.86E+00	—	pCi/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	83.7	3.25E+01	2.48E+02	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.16	9.33E-01	1.50E+01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.5	3.13E+00	2.60E+01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.5	1.83E+01	2.32E+02	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	70.7	2.20E+01	2.97E+02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	07/23/03	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	85.5	1.04E+00	3.02E+02	—	pCi/L	U	U	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.63	1.92E+00	1.79E+01	—	pCi/L	U	U	138450	GF05060P12101	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	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0897	1.03E+00	1.00E+01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.32	3.07E+00	2.80E+01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.29	2.47E+00	2.47E+01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.32	1.79E+00	1.80E+01	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.00525	2.28E+00	2.43E+01	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00801	4.63E-03	8.30E-02	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00602	1.43E-03	4.00E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00337	1.13E-03	2.70E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00191	9.00E-04	3.50E-02	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00319	5.73E-03	3.83E-02	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0104	7.77E-03	1.08E-01	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.39E-10	1.89E-03	7.00E-02	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.012	2.23E-03	4.10E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00337	8.00E-04	3.30E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00573	1.69E-03	4.11E-02	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0191	3.70E-03	4.20E-02	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00521	3.01E-03	9.10E-02	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	24.5	3.77E+00	2.46E+01	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	57.8	8.67E+00	4.70E+01	—	pCi/L	UI	R	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.2	4.67E+00	5.20E+01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.8	9.03E+00	3.81E+01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	53.1	4.20E+00	2.28E+01	—	pCi/L	—	J	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	42.4	6.67E+00	3.74E+01	—	pCi/L	—	J	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.36	2.12E-01	2.38E+00	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.45	5.00E-01	4.40E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.424	4.00E-01	3.70E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.53	4.53E-01	4.89E+00	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.16	2.01E-01	2.17E+00	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.646	3.03E-01	3.58E+00	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0846	1.83E-02	2.15E-01	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.175	4.33E-02	4.20E-01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.237	3.30E-02	3.00E-01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.277	4.33E-02	4.12E-01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.17	2.42E-02	2.88E-01	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/07/04	WS	UF	CS	—	Rad	GFPC	Strontium-90	<	-0.175	2.17E-02	2.07E-01	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.168	7.50E-03	7.70E-02	—	pCi/L	—	J	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0979	8.00E-03	1.40E-01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.177	8.33E-03	8.20E-02	—	pCi/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.774	4.33E-02	5.51E-01	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0577	5.03E-03	7.07E-02	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.154	8.13E-03	9.40E-02	—	pCi/L	—	J	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00755	1.46E-03	4.70E-02	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.90E-03	6.80E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0148	2.97E-03	4.70E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0957	1.44E-02	2.73E-01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.24E-03	3.43E-02	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0124	2.92E-03	5.70E-02	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0628	4.77E-03	5.40E-02	—	pCi/L	—	J	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.02	3.33E-03	8.80E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	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	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0979	6.33E-03	4.30E-02	—	pCi/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.449	3.14E-02	3.24E-01	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	05/17/06	WP	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0333	4.03E-03	3.96E-02	—	pCi/L	U	U	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.12	6.97E-03	6.70E-02	—	pCi/L	—	J	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	3.96	—	—	2.50E-01	ug/L	—	—	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	7.07	—	—	2.50E-01	ug/L	—	—	10-3090	CASA-10-16680	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	—	—	07/12/10	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	1.09	—	—	3.00E-01	ug/L	—	—	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	2.95	—	—	3.00E-01	ug/L	—	—	10-3090	CASA-10-16680	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	—	—	07/12/10	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	7.63	—	—	2.50E-01	ug/L	—	—	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	7.45	—	—	2.50E-01	ug/L	—	—	10-3090	CASA-10-16680	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
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	639	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16685	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	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.93	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16685	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	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	1.60E-03	2.80E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.002	3.33E-03	4.70E-02	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00546	1.57E-03	4.20E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000894	1.53E-03	3.40E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0154	4.33E-03	3.20E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00986	6.67E-03	4.90E-02	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.159	4.00E-01	4.00E+00	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.34	4.67E-01	4.90E+00	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.78	5.33E-01	5.60E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.731	4.00E-01	3.80E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.81	7.67E-01	8.10E+00	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0576	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.2	5.00E-01	4.10E+00	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.13	4.00E-01	4.80E+00	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.12	3.67E-01	3.10E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.168	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.31	9.33E-01	7.70E+00	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.92	3.67E-01	2.90E+00	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	1.29	2.86E-01	2.84E+00	—	pCi/L	U	U	192146	GF070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	06/13/07	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.379	2.15E-01	2.53E+00	—	pCi/L	U	U	187921	GF070600PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.522	1.93E-01	2.20E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.961	1.53E-01	2.90E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	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	—	—	08/21/07	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.919	1.97E-01	1.93E+00	—	pCi/L	U	U	192146	GU070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	06/13/07	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.983	2.68E-01	2.82E+00	—	pCi/L	U	U	187921	GU070600PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	21.8	1.20E+00	7.24E+00	—	pCi/L	—	—	192146	GF070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	06/13/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	5.33	5.07E-01	4.29E+00	—	pCi/L	—	J	187921	GF070600PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	16.2	6.67E-01	2.30E+00	—	pCi/L	—	—	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	22.5	8.67E-01	3.00E+00	—	pCi/L	—	—	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	20.4	8.57E-01	3.72E+00	—	pCi/L	—	—	192146	GU070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	06/13/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	12.4	6.53E-01	3.75E+00	—	pCi/L	—	—	187921	GU070600PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	34.1	2.30E+01	4.90E+01	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	79.4	1.83E+01	2.60E+02	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.57	9.33E-01	1.40E+01	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.61	2.67E+00	2.10E+01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15	5.33E+00	3.10E+01	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	62.4	2.20E+01	2.50E+02	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.04	3.20E+00	3.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.21	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.79	9.67E-01	8.80E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.64	3.33E+00	3.50E+01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-33.4	6.00E+00	5.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.04	3.07E+00	2.90E+01	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00398	1.63E-03	2.80E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00185	3.10E-03	2.20E-02	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00465	4.00E-03	4.10E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00404	9.67E-04	3.20E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00866	4.33E-03	3.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00555	1.87E-03	2.20E-02	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0179	2.77E-03	3.40E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00555	1.07E-03	3.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00929	6.67E-03	6.80E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00605	1.17E-03	4.00E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00216	1.90E-03	3.70E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0111	2.13E-03	3.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	36.5	6.33E+00	3.50E+01	—	pCi/L	UI	R	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.6	7.67E+00	4.10E+01	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	71	9.00E+00	4.70E+01	—	pCi/L	UI	R	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.67	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.5	1.27E+01	1.20E+02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19	7.67E+00	3.10E+01	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.293	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.914	4.33E-01	4.50E+00	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.64	4.67E-01	4.20E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.259	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.6	8.33E-01	7.30E+00	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.48	5.00E-01	4.40E+00	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0686	4.00E-02	5.00E-01	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0385	2.70E-02	3.30E-01	—	pCi/L	U	U	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.398	5.33E-02	4.80E-01	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.102	3.67E-02	4.40E-01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.175	3.67E-02	4.90E-01	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.17	3.67E-02	4.70E-01	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.402	1.63E-02	1.40E-01	—	pCi/L	—	—	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.633	1.87E-02	9.70E-02	—	pCi/L	—	—	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.368	1.63E-02	1.40E-01	—	pCi/L	—	—	10-3646	CASA-10-22572	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	—	Rad	HASL-300	Uranium-234	—	0.346	1.63E-02	1.10E-01	—	pCi/L	—	—	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.442	1.67E-02	1.40E-01	—	pCi/L	—	—	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.645	1.83E-02	8.70E-02	—	pCi/L	—	—	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00503	1.67E-03	8.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0568	4.67E-03	5.00E-02	—	pCi/L	—	—	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.029	4.33E-03	6.40E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0282	7.00E-03	6.30E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0242	5.33E-03	7.70E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.024	2.87E-03	4.50E-02	—	pCi/L	U	U	08-1216	CASA-08-12814	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.244	1.23E-02	7.30E-02	—	pCi/L	—	—	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.379	1.30E-02	5.90E-02	—	pCi/L	—	—	08-1216	CASA-08-12815	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.183	1.07E-02	8.20E-02	—	pCi/L	—	—	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.163	1.33E-02	5.90E-02	—	pCi/L	—	—	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.274	1.33E-02	7.00E-02	—	pCi/L	—	—	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.369	1.23E-02	5.30E-02	—	pCi/L	—	—	08-1216	CASA-08-12814	GELC



# **Appendix D**

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*Analytical Chemistry Screening Results*





The following pages provide (1) acronyms and abbreviations, (2) analytical laboratory qualifier codes, and (3) secondary validation codes. The secondary data validation summary is provided in Appendix F.

### Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
<b>Miscellaneous</b>	
%	percent
<	Based on qualifiers, the result was a nondetection.
-	none
CCV	continuing calibration verification
DCG	Derived Concentration Guide (DOE)
DNX	Dinitroso-RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GW	groundwater
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
ICV	initial calibration verification
LAL	lower acceptance limit
LCS	laboratory control sample
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitrosodimethylamine
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
TDS	total dissolved solids
TNX	trinitroso-RDX
TPU	total propagated uncertainty
UAL	upper acceptance limit

**Acronyms and Abbreviations (continued)**

Acronym , Abbreviation, or Symbol	Description
<b>Field Matrix Codes</b>	
WS	base flow
<b>Field Prep Codes</b>	
F	filtered
UF	unfiltered
<b>Field QC Type Codes</b>	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
FTB	field trip blank
FTR	field triplicate
PEB	performance evaluation blank
<b>Analytical Suite Codes</b>	
GROSSA	gross alpha
GROSSB	gross beta
HEXP	high explosives
SVOA	semivolatile organic analysis
VOA	volatile organic analysis
<b>Lab Sample Type Codes</b>	
CS	client sample
DL	dilution
RE	reanalysis
<b>Lab Codes</b>	
ARSL	American Radiation Services—Primary
GELC	General Engineering Laboratories, Inc., Charleston, SC
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
UTML	University of Miami Tritium Lab

### Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits.
J	(Inorganic)—The associated numerical value is an estimated quantity. (Organic)—The associated numerical value is an estimated quantity.
JP	See J code and see P code.
N*	See N code and see * code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
U	The material was analyzed for but was not detected above the level of the associated numeric value.

### Secondary Validation Codes

Flag Code	Description
J	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
J+	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
J-	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
R	The reported sample result is classified as rejected because of serious noncompliances regarding QC acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

### Secondary Validation Codes (continued)

Reason Code	Description
HE7c	<p>The ICV and/or CCV were recovered outside the method limits. The % difference between the ICV and CCV standard concentrations and their true values shall be calculated and must be <math>\leq 20\%</math>. The evaluation of CCV data applies to all CCVs that bracket samples of interest. If the % difference was reported with the wrong sign (e.g., + % difference for negative bias), document the occurrence in the data validation report and assess any infractions using the correct sign.</p> <ol style="list-style-type: none"> <li>1. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is <math>&gt; 20\%</math>, qualify all associated detects as J+.</li> <li>2. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is <math>&gt; 20\%</math> but <math>\leq 40\%</math> and negative (low bias), qualify all associated detects as J-, and if any other calibration criteria have been exceeded for that compound, qualify all associated nondetects as UJ.</li> <li>3. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is <math>&gt; 40\%</math> but <math>\leq 60\%</math> and negative, qualify all associated detects as J and all associated nondetects as UJ.</li> <li>4. If the % difference between a measured ICV and/or CCV concentration and its true value for any analyte is <math>&gt; 60\%</math> and is negative, qualify all associated detects as J- and all associated nondetects as R.</li> </ol>
HE12f	If the MS/MSD percent recovery was $> 130\%$ , qualify all associated detects as J+.
I4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was greater than 5 times.
I6a	The associated MS recovery was less than the LAL but greater than 10%. Follow the external laboratory limits located within the associated data package.
I6b	The associated MS recovery was greater than the UAL. Follow the external laboratory limits located within the associated data package.
I10a	The sample and the duplicate sample results were $\geq 5$ times the RL, and the duplicate RPD was $> 20\%$ for water samples and $> 35\%$ for soil samples.
J_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
PE12f	The MS/MSD percent recovery was $> 125\%$ . Qualify all associated detects as J+.
R4	The sample result is $\leq 5$ times the concentration of the related analyte in the method blank.
R5	The results for the affected analytes are considered not detected (U) because the associated sample concentration was less than or equal to the MDC.
R6a	The associated MS recovery was $< 10\%$ . Follow the external laboratory limits. MS/MSD is not applicable to gamma spectroscopy

**Secondary Validation Codes (continued)**

Reason Code	Description
R11	The results for the affected analytes should be regarded as not detected (U) because the associated sample concentration was less than 3 times the 1 sigma TPU.
SV7c	The ICV and/or CCV were recovered outside the method-specific limits.
SV12b	The LCS percent recovery was less than the UAL. Follow the external laboratory limits located within the associated data package.
SV88	Duplicate, dilution, or reanalysis.
U_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
V7b	The affected analytes were analyzed with an RRF of < 0.05 in the initial calibration and/or CCV.
V7c	The ICV and/or CCV were recovered outside the method-specific limits.
V9	The extraction/analytical holding time is exceeded by < 2 times the published method for holding times.



**Table D-1  
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-50	MULTI	1077	05/27/10	H-3	UF	CS	—*	—	11.08	1.98	3.12914	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1185	05/27/10	H-3	UF	CS	—	<	-0.67	0.51	1.75615	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

\* — None.

**Table D-2  
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	05/06/10	—*	F	CS	ClO4	SW-846:6850	—	0.327	0.05	µg/L	1	—	—	—	GELC

\* — None.

**Table D-3  
Previously Unreported 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)
Regional	R-34	SINGLE	883.7	05/06/10	As	F	CS	—*	—	5.2	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.52

\* — None.

**Table D-4  
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	Sandia below Wetlands	05/13/10	H-3	UF	CS	PEB	<	-0.51	0.70	2.36282	— *	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

\* — None.

**Table D-5  
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	05/07/10	H-3	UF	CS	— *	—	68.65	10.38	1.82001	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	SCI-2	SINGLE	548	05/06/10	H-3	UF	CS	—	—	505.14	78.75	229.6209	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-12	MULTI	459	05/05/10	H-3	UF	CS	—	—	64.31	9.71	1.72422	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Intermediate	R-12	MULTI	504.5	05/17/10	H-3	UF	CS	—	—	40.71	6.19	1.72422	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-43	MULTI	903.9	05/10/10	H-3	UF	CS	—	<	1.44	0.54	1.62843	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-43	MULTI	969.1	05/10/10	H-3	UF	CS	—	—	3.77	0.86	2.07545	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-11	SINGLE	855	05/05/10	H-3	UF	CS	—	—	3.99	0.93	2.20317	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-35b	SINGLE	825.4	05/12/10	H-3	UF	CS	FD	<	0.16	0.51	1.66036	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-35b	SINGLE	825.4	05/12/10	H-3	UF	CS	—	<	0.35	0.51	1.62843	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-35a	SINGLE	1013.1	05/14/10	H-3	UF	CS	—	<	-0.16	0.45	1.56457	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-36	SINGLE	766.9	05/12/10	H-3	UF	CS	—	—	12.96	2.08	1.78808	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-10	MULTI	1042	05/05/10	H-3	UF	CS	—	—	2.14	0.67	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-10a	SINGLE	690	05/05/10	H-3	UF	CS	—	<	0.29	0.57	1.88387	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

\* — None.



**Table D-6**  
**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	05/05/10	—*	F	CS	ClO4	SW-846:6850	—	0.459	0.05	µg/L	1	—	—	—	GELC
Regional	R-10	MULTI	1042	05/05/10	—	F	CS	ClO4	SW-846:6850	—	0.478	0.05	µg/L	1	—	—	—	GELC
Regional	R-10a	SINGLE	690	05/05/10	—	F	CS	ClO4	SW-846:6850	—	0.776	0.05	µg/L	1	—	—	—	GELC

\* — None.

**Table D-7**  
**Previously Unreported 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)	NMWWCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-10	MULTI	1042	05/05/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—*	3.06	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.61	48	0.06	100	0.03

\* — None.

**Table D-8  
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 Screening Level	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	EPA Secondary Drinking Water Level Screening Level	Ratio (Result/Screening Level)
Alluvial	MCO-4B	SINGLE	8.9	07/06/10	GROSSB	UF	CS	FD	—*	136	12	2.9	pCi/L	GELC	EPA:900	—	—	—	1000	0.14	—	—	—	—	50	2.72
Alluvial	MCO-4B	SINGLE	8.9	07/06/10	GROSSB	UF	CS	—	—	127	11	3	pCi/L	GELC	EPA:900	—	—	—	1000	0.13	—	—	—	—	50	2.54
Alluvial	MCO-4B	SINGLE	8.9	07/06/10	H-3	UF	CS	FD	—	1280	170	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.02	20000	0.06	—	—
Alluvial	MCO-4B	SINGLE	8.9	07/06/10	H-3	UF	CS	—	—	1160	160	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.06	—	—
Alluvial	MCO-4B	SINGLE	8.9	07/06/10	Sr-90	UF	CS	FD	—	61.6	5	0.45	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.06	40	1.54	8	7.7	—	—
Alluvial	MCO-4B	SINGLE	8.9	07/06/10	Sr-90	UF	CS	—	—	48.2	4	0.48	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.05	40	1.21	8	6.03	—	—
Alluvial	MCO-5	SINGLE	21	07/06/10	GROSSB	UF	CS	—	—	94.2	8.5	2.8	pCi/L	GELC	EPA:900	—	—	—	1000	0.09	—	—	—	—	50	1.88
Alluvial	MCO-5	SINGLE	21	07/06/10	H-3	UF	CS	—	—	982	140	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.05	—	—
Alluvial	MCO-5	SINGLE	21	07/06/10	Sr-90	UF	CS	—	—	41.9	3.5	0.44	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.04	40	1.05	8	5.24	—	—
Alluvial	MCO-6	SINGLE	27	07/07/10	GROSSB	UF	CS	—	—	114	10	2.5	pCi/L	GELC	EPA:900	—	—	—	1000	0.11	—	—	—	—	50	2.28
Alluvial	MCO-6	SINGLE	27	07/07/10	H-3	UF	CS	—	—	1260	170	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.02	20000	0.06	—	—
Alluvial	MCO-6	SINGLE	27	07/07/10	Sr-90	UF	CS	—	—	37.9	3.2	0.42	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.04	40	0.95	8	4.74	—	—
Alluvial	MCO-7	SINGLE	39	07/07/10	H-3	UF	CS	—	—	962	140	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.05	—	—
Alluvial	MCO-7	SINGLE	39	07/07/10	Sr-90	UF	CS	—	—	3.42	0.41	0.44	pCi/L	GELC	EPA:905.0	—	—	—	1000	—	40	0.09	8	0.43	—	—
Alluvial	MCO-7.5	SINGLE	35	07/08/10	H-3	UF	CS	FD	—	748	120	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.04	—	—
Alluvial	MCO-7.5	SINGLE	35	07/08/10	H-3	UF	CS	—	—	798	120	240	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.04	—	—
Alluvial	MT-3	SINGLE	44	07/09/10	H-3	UF	CS	—	—	1430	160	110	pCi/L	GELC	EPA:906.0	—	J-	R6a	2000000	—	80000	0.02	20000	0.07	—	—
Intermediate	MCOI-4	SINGLE	499	07/07/10	GROSSA	UF	CS	—	—	6.35	1.6	2.6	pCi/L	GELC	EPA:900	—	—	—	30	0.21	—	—	15	0.42	—	—
Intermediate	MCOI-4	SINGLE	499	07/07/10	GROSSB	UF	CS	—	—	36	3.7	2.9	pCi/L	GELC	EPA:900	—	—	—	1000	0.04	—	—	—	—	50	0.72
Regional	R-15	SINGLE	958.6	07/14/10	GROSSA	UF	CS	—	—	5.36	1.4	2.6	pCi/L	GELC	EPA:900	—	—	—	30	0.18	—	—	15	0.36	—	—
Regional	R-42	SINGLE	931.8	07/13/10	GROSSB	UF	CS	—	—	22.2	2.5	2.9	pCi/L	GELC	EPA:900	—	—	—	1000	0.02	—	—	—	—	50	0.44
Regional	R-50	MULTI	1185	07/02/10	GROSSA	UF	CS	—	—	5.3	1.5	3	pCi/L	GELC	EPA:900	—	—	—	30	0.18	—	—	15	0.35	—	—
Regional	R-44	MULTI	985.3	07/14/10	GROSSB	UF	CS	FD	—	26.5	2.9	3	pCi/L	GELC	EPA:900	—	—	—	1000	0.03	—	—	—	—	50	0.53

\* — None.

**Table D-9  
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)
Cl(-1)	Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	F	—*	CS	—	616	—	6.6	mg/L	GELC	—	—	—	—	—	250	2.46
Cl(-1)	Alluvial	MCO-2	SINGLE	2	07/01/10	F	—	CS	—	263	—	3.3	mg/L	GELC	—	—	—	—	—	250	1.05
Cl(-1)	Alluvial	MCO-4B	SINGLE	8.9	07/06/10	F	FD	CS	—	128	—	1.3	mg/L	GELC	—	—	—	—	—	250	0.51
Cl(-1)	Alluvial	MCO-4B	SINGLE	8.9	07/06/10	F	---	CS	—	137	—	1.3	mg/L	GELC	—	—	—	—	—	250	0.55
CIO4	Alluvial	MCO-4B	SINGLE	8.9	07/06/10	F	FD	CS	—	9.1	—	1	µg/L	GELC	—	—	—	15	0.61	—	—
CIO4	Alluvial	MCO-4B	SINGLE	8.9	07/06/10	F	—	CS	—	8.72	—	1	µg/L	GELC	—	—	—	15	0.58	—	—
CIO4	Alluvial	MCO-5	SINGLE	21	07/06/10	F	—	CS	—	8.27	—	1	µg/L	GELC	—	—	—	15	0.55	—	—
CIO4	Alluvial	MCO-6	SINGLE	27	07/07/10	F	—	CS	—	7.31	—	0.5	µg/L	GELC	—	—	—	----	----	—	—
CIO4	Alluvial	MCO-7	SINGLE	39	07/07/10	F	—	CS	—	8.21	—	1	µg/L	GELC	—	—	—	15	0.55	—	—
CIO4	Alluvial	MCO-7.5	SINGLE	35	07/08/10	F	FD	CS	—	11	—	1	µg/L	GELC	—	—	—	15	0.73	—	—
CIO4	Alluvial	MCO-7.5	SINGLE	35	07/08/10	F	—	CS	—	10.9	—	1	µg/L	GELC	—	—	—	15	0.73	—	—
CIO4	Alluvial	MT-3	SINGLE	44	07/09/10	F	—	CS	—	23.3	—	2.5	µg/L	GELC	—	—	—	15	1.55	—	—
CIO4	Intermediate	MCOI-4	SINGLE	499	07/07/10	F	—	CS	—	58.5	—	5	µg/L	GELC	—	J+	PE12f	15	3.9	—	—
CIO4	Intermediate	MCOI-5	SINGLE	689	07/07/10	F	—	CS	—	97.6	—	10	µg/L	GELC	—	J+	PE12f	15	6.51	—	—
CIO4	Intermediate	MCOI-6	SINGLE	686	07/06/10	F	—	CS	—	81.4	—	10	µg/L	GELC	—	—	—	15	5.43	—	—
CIO4	Regional	R-15	SINGLE	958.6	07/14/10	F	—	CS	—	7.29	—	1	µg/L	GELC	—	—	—	—	—	—	—
F(-1)	Alluvial	MCO-7	SINGLE	39	07/07/10	F	—	CS	—	0.894	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.56
F(-1)	Alluvial	MCO-7.5	SINGLE	35	07/08/10	F	FD	CS	—	1.06	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.66
F(-1)	Alluvial	MCO-7.5	SINGLE	35	07/08/10	F	—	CS	—	1.06	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.66
F(-1)	Alluvial	MT-3	SINGLE	44	07/09/10	F	—	CS	—	1.36	—	0.033	mg/L	GELC	—	J-	I6a	—	—	1.6	0.85
NO3+NO2-N	Intermediate	MCOI-4	SINGLE	499	07/07/10	F	—	CS	—	8.95	—	0.25	mg/L	GELC	—	—	—	10	0.9	10	0.9
NO3+NO2-N	Intermediate	MCOI-5	SINGLE	689	07/07/10	F	—	CS	—	5.28	—	0.25	mg/L	GELC	—	—	—	10	0.53	10	0.53
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	07/06/10	F	—	CS	—	9.73	—	0.25	mg/L	GELC	—	J-	I6a	10	0.97	10	0.97
NO3+NO2-N	Regional	R-42	SINGLE	931.8	07/13/10	F	—	CS	—	6.08	—	0.25	mg/L	GELC	—	—	—	10	0.61	10	0.61
TDS	Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	F	—	CS	—	1560	—	4.8	mg/L	GELC	—	—	—	—	—	1000	1.56
TDS	Alluvial	MCO-2	SINGLE	2	07/01/10	F	—	CS	—	685	—	2.4	mg/L	GELC	—	J	I10a	—	—	1000	0.69

\* — None.

**Table D-10**  
**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-0.6	SINGLE	1	07/02/10	—*	F	CS	CIO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	MCO-2	SINGLE	2	07/01/10	—	F	CS	CIO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	MCO-4B	SINGLE	9	07/06/10	FD	F	CS	CIO4	SW-846:6850	—	9.1	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-4B	SINGLE	9	07/06/10	—	F	CS	CIO4	SW-846:6850	—	8.72	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-5	SINGLE	21	07/06/10	—	F	CS	CIO4	SW-846:6850	—	8.27	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-6	SINGLE	27	07/07/10	—	F	CS	CIO4	SW-846:6850	—	7.31	0.5	µg/L	10	—	—	—	GELC
Alluvial	MCO-7	SINGLE	39	07/07/10	—	F	CS	CIO4	SW-846:6850	—	8.21	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-7.5	SINGLE	35	07/08/10	—	F	CS	CIO4	SW-846:6850	—	10.9	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-7.5	SINGLE	35	07/08/10	FD	F	CS	CIO4	SW-846:6850	—	11	1	µg/L	20	—	—	—	GELC
Alluvial	MT-3	SINGLE	44	07/09/10	—	F	CS	CIO4	SW-846:6850	—	23.3	2.5	µg/L	50	—	—	—	GELC
Intermediate	MCOI-4	SINGLE	499	07/07/10	—	F	CS	CIO4	SW-846:6850	—	58.5	5	µg/L	100	—	J+	PE12f	GELC
Intermediate	MCOI-5	SINGLE	689	07/07/10	—	F	CS	CIO4	SW-846:6850	—	97.6	10	µg/L	200	—	J+	PE12f	GELC
Intermediate	MCOI-6	SINGLE	686	07/06/10	—	F	CS	CIO4	SW-846:6850	—	81.4	10	µg/L	200	—	—	—	GELC
Regional	R-46	SINGLE	1340	07/01/10	—	F	CS	CIO4	SW-846:6850	—	0.329	0.05	µg/L	1	—	—	—	GELC
Regional	R-14	SINGLE	1201	07/01/10	—	F	CS	CIO4	SW-846:6850	—	0.315	0.05	µg/L	1	—	—	—	GELC
Regional	R-14	SINGLE	1201	07/01/10	FD	F	CS	CIO4	SW-846:6850	—	0.307	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	07/13/10	—	F	CS	CIO4	SW-846:6850	—	0.364	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	996	07/09/10	—	F	CS	CIO4	SW-846:6850	—	0.436	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	1112	07/09/10	—	F	CS	CIO4	SW-846:6850	—	0.372	0.05	µg/L	1	—	—	—	GELC
Regional	R-15	SINGLE	959	07/14/10	—	F	CS	CIO4	SW-846:6850	—	7.29	1	µg/L	20	—	—	—	GELC
Regional	R-42	SINGLE	932	07/13/10	—	F	CS	CIO4	SW-846:6850	—	1.38	0.1	µg/L	2	—	—	—	GELC
Regional	R-28	SINGLE	934	07/14/10	—	F	CS	CIO4	SW-846:6850	—	1.06	0.1	µg/L	2	—	—	—	GELC
Regional	R-45	MULTI	880	07/02/10	—	F	CS	CIO4	SW-846:6850	—	0.55	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	07/02/10	—	F	CS	CIO4	SW-846:6850	—	0.378	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	07/02/10	—	F	CS	CIO4	SW-846:6850	—	0.418	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1185	07/02/10	—	F	CS	CIO4	SW-846:6850	—	0.324	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	07/14/10	—	F	CS	CIO4	SW-846:6850	—	0.438	0.05	µg/L	1	—	—	—	GELC

Table D-10 (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-44	MULTI	985	07/14/10	—	F	CS	CIO4	SW-846:6850	—	0.368	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	07/14/10	FD	F	CS	CIO4	SW-846:6850	—	0.373	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	07/13/10	—	F	CS	CIO4	SW-846:6850	—	0.439	0.05	µg/L	1	—	—	—	GELC
Regional	R-16r	SINGLE	600	07/15/10	—	F	CS	CIO4	SW-846:6850	—	0.403	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	863	07/12/10	—	F	CS	CIO4	SW-846:6850	—	0.439	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	1237	07/12/10	—	F	CS	CIO4	SW-846:6850	—	0.309	0.05	µg/L	1	—	—	—	GELC

\* — None.

Table D-11  
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)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	Ba	F	CS	—*	—	670	1	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	0.67
Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	Co	F	CS	—	—	35.6	1	µg/L	GELC	—	—	—	SW-846:6010B	—	—	50	0.71
Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	Cr	UF	CS	—	—	662	13	µg/L	GELC	—	—	—	SW-846:6020	100	6.62	—	—
Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	Fe	F	CS	—	—	49500	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	49.5
Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	Mn	F	CS	—	—	7800	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	39
Alluvial	MCO-2	SINGLE	2	07/01/10	Fe	F	CS	—	—	1030	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	1.03
Alluvial	MCO-2	SINGLE	2	07/01/10	Mn	F	CS	—	—	694	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	3.47
Intermediate	MCOI-6	SINGLE	686	07/06/10	Cr	F	CS	—	—	55.6	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.56	50	1.11
Intermediate	MCOI-6	SINGLE	686	07/06/10	Cr	UF	CS	—	—	51.8	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.52	—	—

Table D-11 (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)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-15	SINGLE	958.6	07/14/10	Pb	UF	CS	—	—	9.09	0.5	µg/L	GELC	—	—	—	SW-846:6020	15	0.61	—	—
Regional	R-42	SINGLE	931.8	07/13/10	Cr	F	CS	—	—	1240	50	µg/L	GELC	—	—	—	SW-846:6020	100	12.4	50	24.8
Regional	R-42	SINGLE	931.8	07/13/10	Cr	UF	CS	—	—	1210	50	µg/L	GELC	—	—	—	SW-846:6020	100	12.1	—	—
Regional	R-28	SINGLE	934.3	07/14/10	Cr	F	CS	—	—	558	50	µg/L	GELC	—	—	—	SW-846:6020	100	5.58	50	11.16
Regional	R-28	SINGLE	934.3	07/14/10	Cr	UF	CS	—	—	539	50	µg/L	GELC	—	—	—	SW-846:6020	100	5.39	—	—
Regional	R-50	MULTI	1077	07/02/10	Cr	F	CS	—	—	55.2	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.55	50	1.1
Regional	R-50	MULTI	1077	07/02/10	Cr	UF	CS	—	—	56.2	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.56	—	—

\* — None.

Table D-12  
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)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	MCO-0.6	SINGLE	1.05	07/02/10	—*	UF	CS	VOA	Toluene	108-88-3	—	0.3	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Alluvial	MCO-6	SINGLE	27	07/07/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	27.6	2.5	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Alluvial	MCO-7	SINGLE	39	07/07/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	24.9	2.3	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Intermediate	MCOI-5	SINGLE	689	07/07/10	—	UF	CS	VOA	Methylene Chloride	75-09-2	—	6.97	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	1.39	48	0.15	—	—	100	0.07
Intermediate	MCOI-6	SINGLE	686	07/06/10	—	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	—
Regional	R-46	SINGLE	1340	07/01/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	13.6	2.1	µg/L	1	—	—	—	SW-846:8270C	GELC	6	2.27	48	0.28	—	—	—	—
Regional	R-46	SINGLE	1340	07/01/10	—	UF	CS	VOA	Toluene	108-88-3	—	1.17	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-45	MULTI	880	07/02/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	41.7	2.1	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-45	MULTI	974.9	07/02/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	3.74	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-50	MULTI	1185	07/02/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	3.16	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—

\* — None.

**Table D-13  
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)	EPA MCL	Ratio (Result/Screening Level)
Regional	R-43	MULTI	903.9	07/15/10	GROSSA	UF	CS	—*	—	6.9	1.6	2.7	pCi/L	GELC	EPA:900	—	—	—	30	0.23	15	0.46

\* — None.

**Table D-14  
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)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
NO3+NO2-N	Regional	R-43	MULTI	903.9	07/15/10	F	—*	CS	—	5.71	—	0.1	mg/L	GELC	—	J	I4a	10	0.57	10	0.57
NO3+NO2-N	Regional	R-11	SINGLE	855	07/08/10	F	—	CS	—	5.25	—	0.25	mg/L	GELC	—	—	—	10	0.53	10	0.53

\* — None.

**Table D-15**  
**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	Prelim Flag	Lab Code
Intermediate	SCI-1	SINGLE	358	07/12/10	—*	F	CS	CIO4	SW-846:6850	---	0.983	0.05	µg/L	1	—	—	—	Noncancer	GELC
Intermediate	SCI-1	SINGLE	358	07/12/10	FD	F	CS	CIO4	SW-846:6850	—	0.947	0.05	µg/L	1	—	—	—	Noncancer	GELC
Intermediate	SCI-2	SINGLE	548	07/15/10	—	F	CS	CIO4	SW-846:6850	—	1.08	0.1	µg/L	2	—	—	—	Noncancer	GELC
Regional	R-43	MULTI	904	07/15/10	—	F	CS	CIO4	SW-846:6850	—	0.948	0.1	µg/L	2	—	—	—	Noncancer	GELC
Regional	R-43	MULTI	969	07/15/10	—	F	CS	CIO4	SW-846:6850	—	0.434	0.05	µg/L	1	—	—	—	Noncancer	GELC
Regional	R-11	SINGLE	855	07/08/10	—	F	CS	CIO4	SW-846:6850	—	0.838	0.05	µg/L	1	—	—	—	Noncancer	GELC
Regional	R-35b	SINGLE	825	07/13/10	—	F	CS	CIO4	SW-846:6850	—	0.653	0.05	µg/L	1	—	—	—	Noncancer	GELC
Regional	R-35b	SINGLE	825	07/13/10	FD	F	CS	CIO4	SW-846:6850	—	0.617	0.05	µg/L	1	—	—	—	Noncancer	GELC
Regional	R-35a	SINGLE	1013	07/07/10	—	F	CS	CIO4	SW-846:6850	—	0.432	0.05	µg/L	1	—	—	—	Noncancer	GELC
Regional	R-36	SINGLE	767	07/12/10	—	F	CS	CIO4	SW-846:6850	—	1.55	0.2	µg/L	4	—	—	—	Noncancer	GELC

\* — None.

**Table D-16**  
**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)	MMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-2	SINGLE	548	07/15/10	Cr	F	CS	—*	—	545	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.45	50	10.9
Intermediate	SCI-2	SINGLE	548	07/15/10	Cr	UF	CS	—	—	525	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.25	—	—

\* — None.



**Table D-17  
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)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	SCI-1	SINGLE	358.4	07/12/10	FD	UF	CS	VOA	Chloroform	67-66-3	—*	0.48	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.25	100	—
Intermediate	SCI-1	SINGLE	358.4	07/12/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.56	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.29	100	0.01
Intermediate	SCI-2	SINGLE	548	07/15/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.37	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.19	100	—

\* — None.

**Table D-18  
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 Scr Lvl	Ratio (Result/Screening Level)
WS	M-1W	07/09/10	GROSSA	UF	CS	—*	—	7.02	1.7	2.4	pCi/L	GELC	EPA:900	—	—	—	15	0.47

\* — None.

**Table D-19**  
**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	M-1W	07/09/10	—*	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

\* — None.

**Table D-20**  
**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	M-1W	07/09/10	Al	F	CS	—*	—	13400	68	µg/L	GELC	—	—	—	SW-846:6010B	750	17.87	87	154.02
WS	M-1W	07/09/10	Cu	F	CS	—	—	15.6	3	µg/L	GELC	—	—	—	SW-846:6010B	13.4	1.16	9	1.73
WS	M-1W	07/09/10	Pb	F	CS	—	—	5.15	0.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	2.5	2.06

\* — None.

**Table D-21  
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	E 123 Sandia below Wetlands	07/12/10	PEB	UF	CS	CIO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

**Table D-22  
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	E121 Sandia right fork at Power Plant	07/12/10	—*	UF	CS	VOA	Bromodichloromethane	75-27-4	—	3.96	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	170	0.02
WS	E121 Sandia right fork at Power Plant	07/12/10	—	UF	CS	VOA	Chlorodibromomethane	124-48-1	—	1.09	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	130	0.01
WS	E121 Sandia right fork at Power Plant	07/12/10	—	UF	CS	VOA	Chloroform	67-66-3	—	7.63	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	4700	—

\* — None.



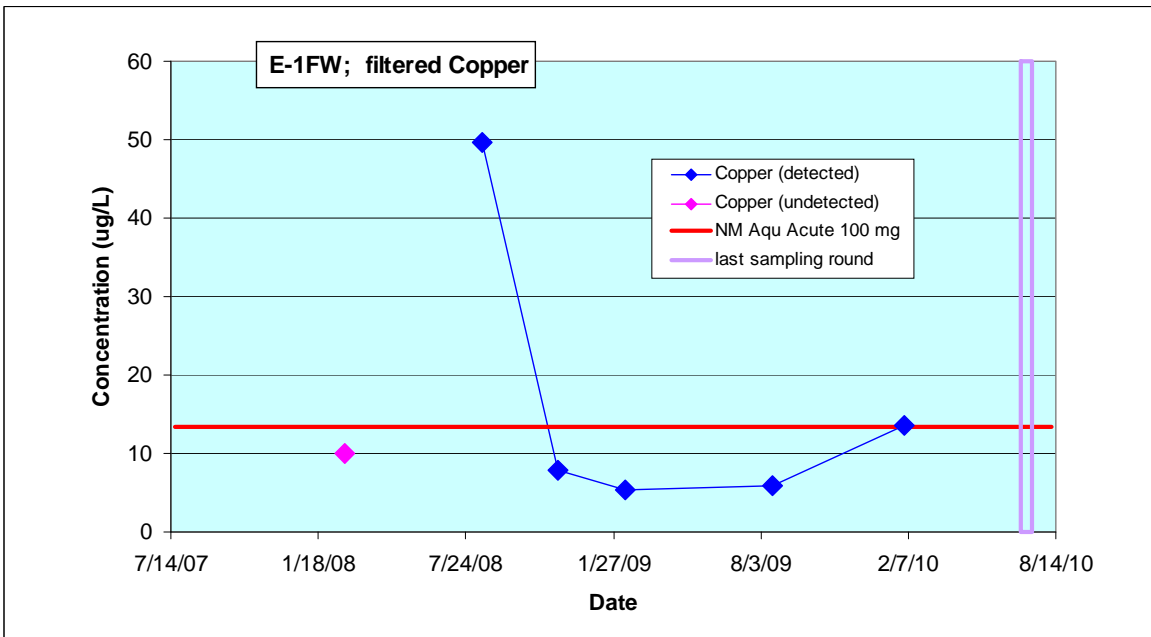
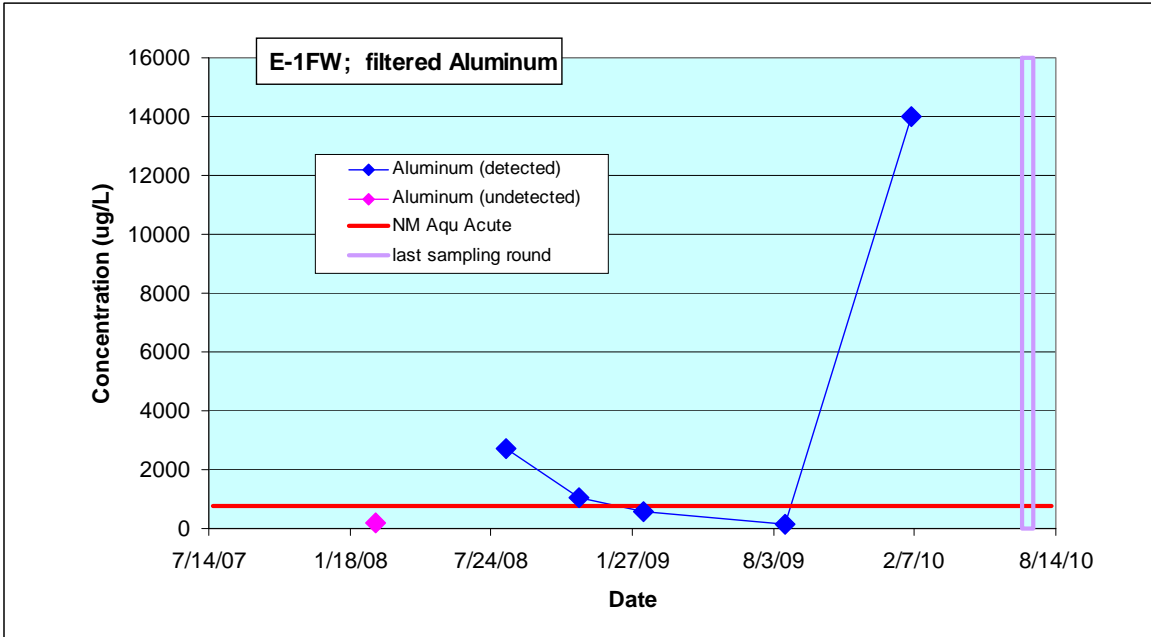
## **Appendix E**

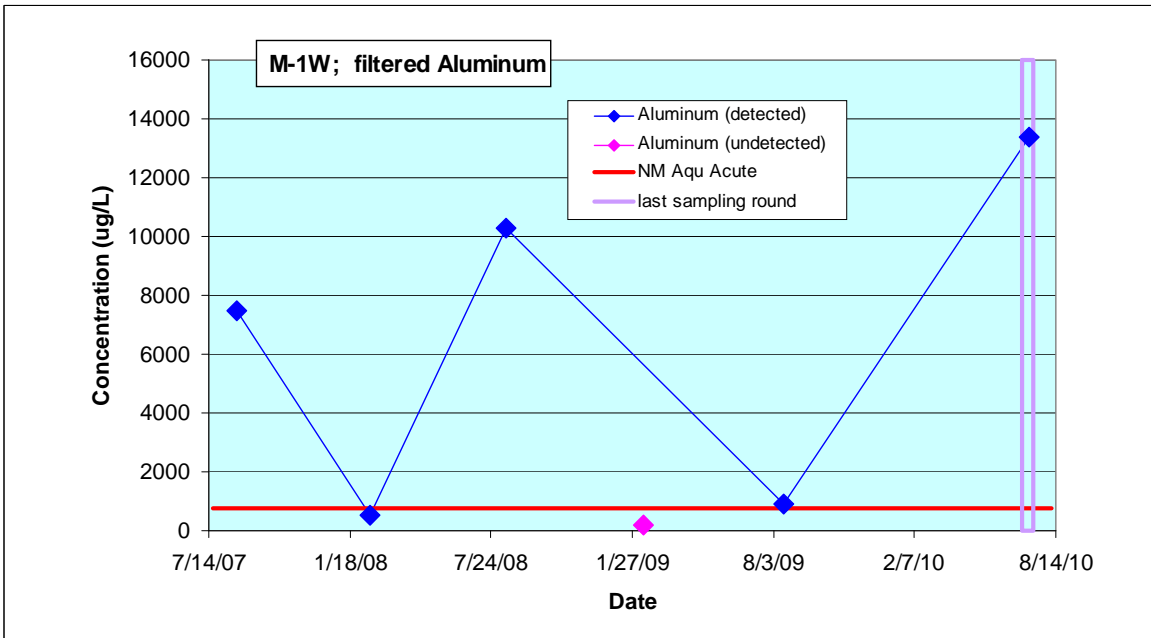
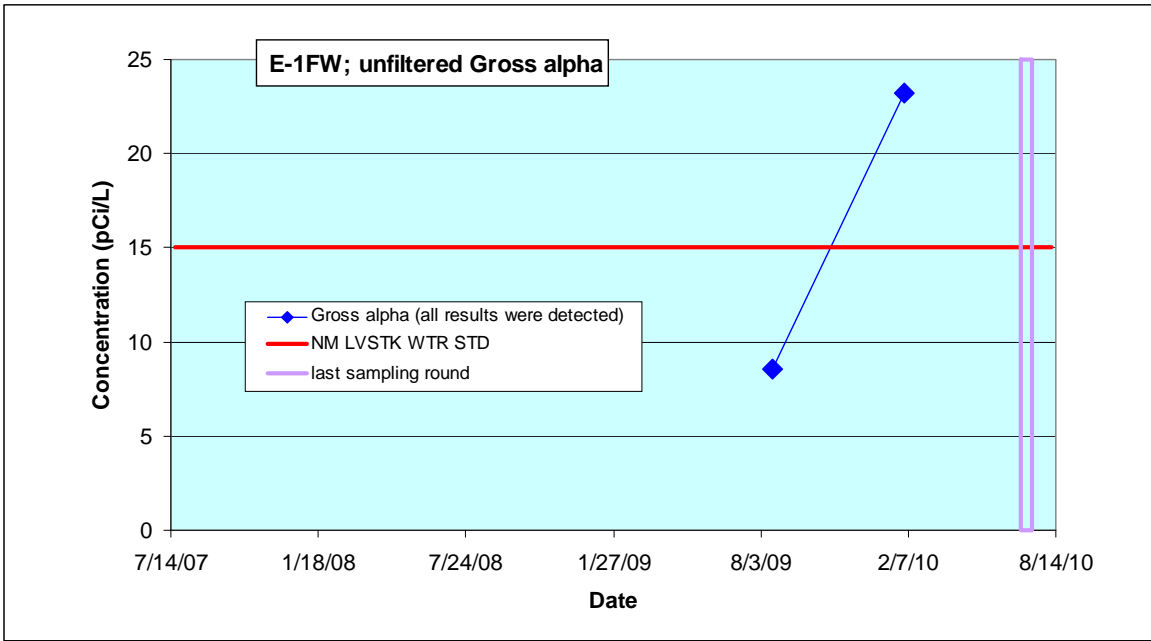
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*Analytical Chemistry Graphs of  
Screening-Level Exceedances*

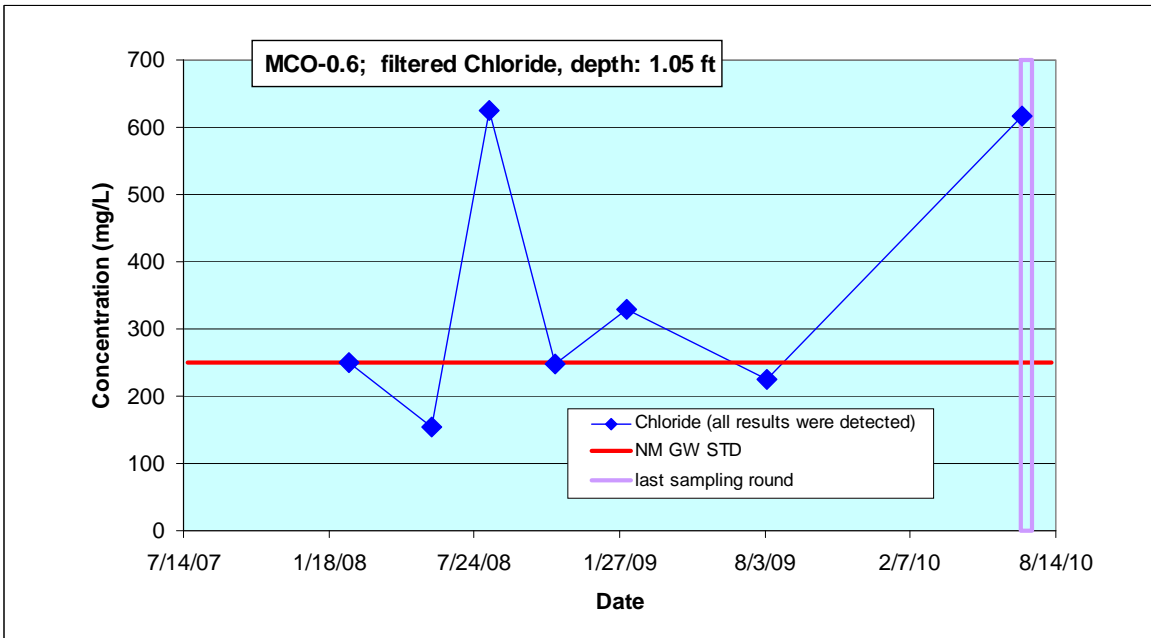
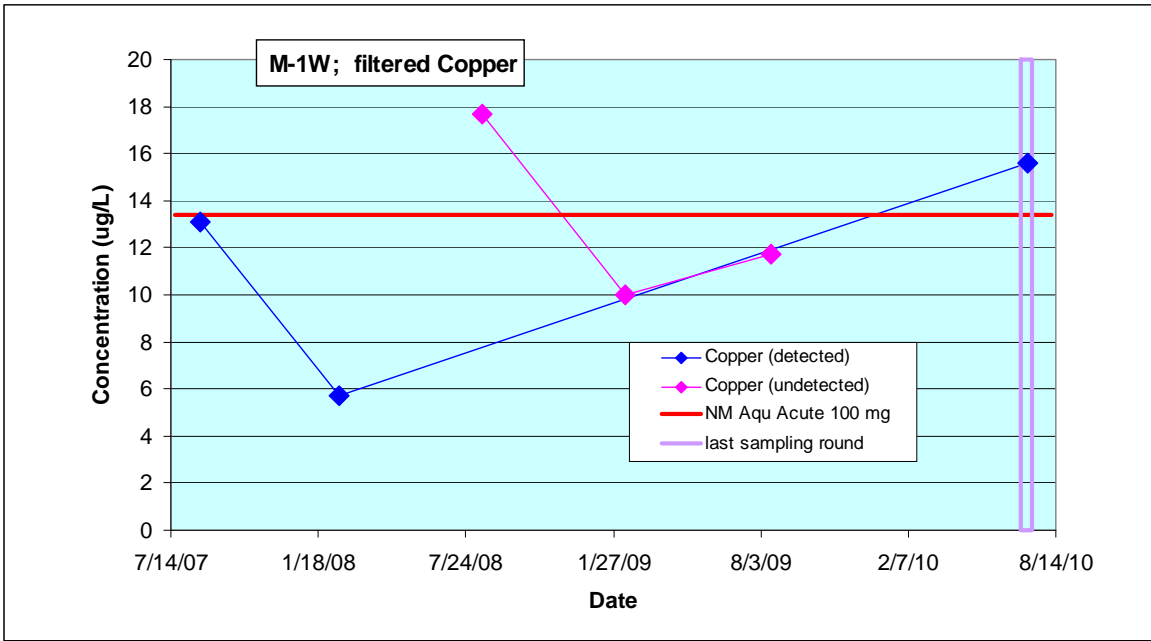


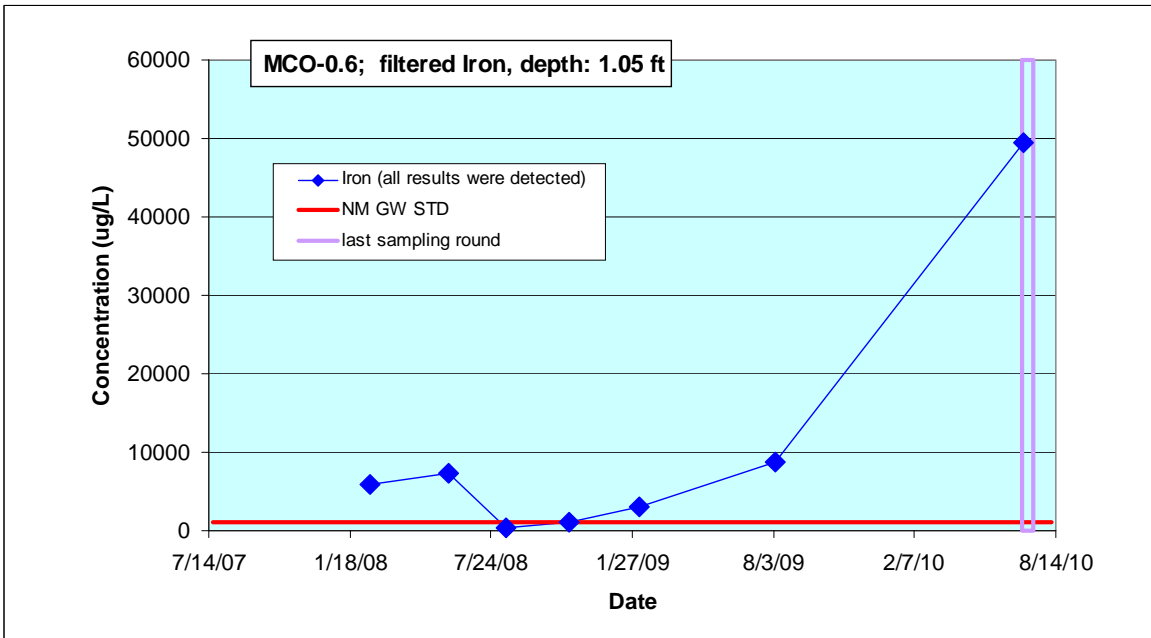
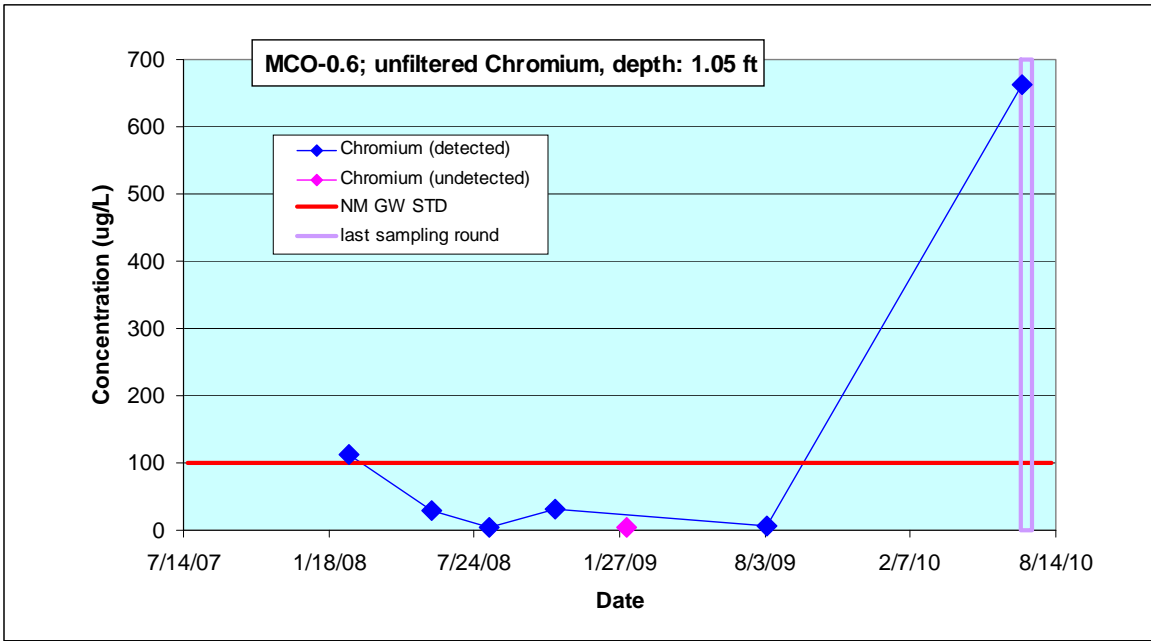
E-1 MORTANDAD WATERSHED

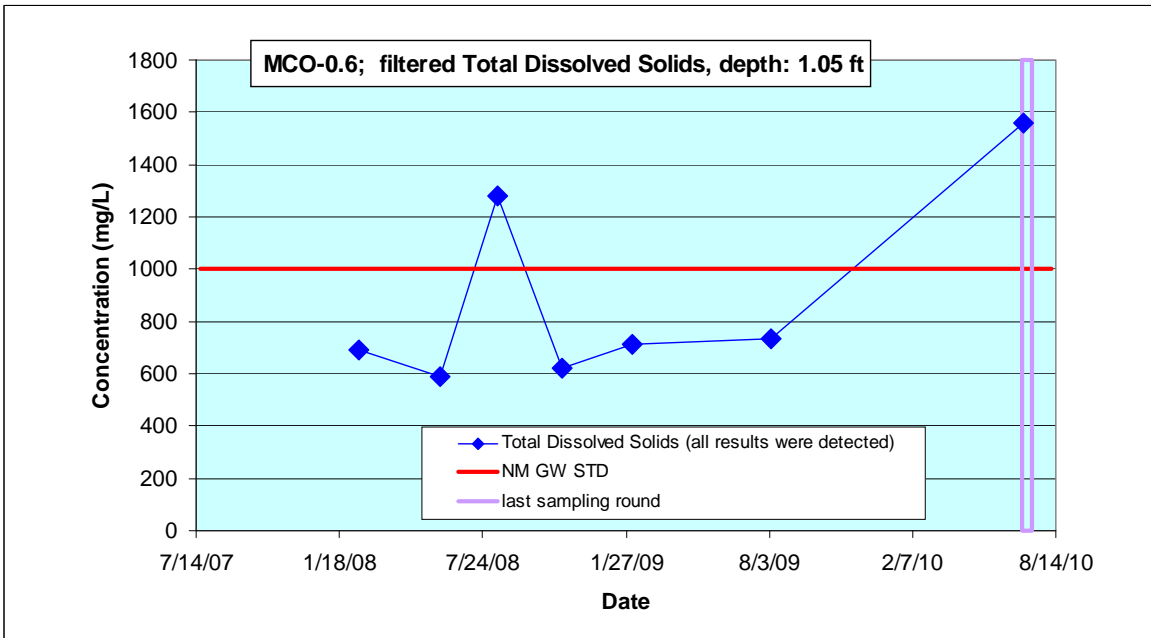
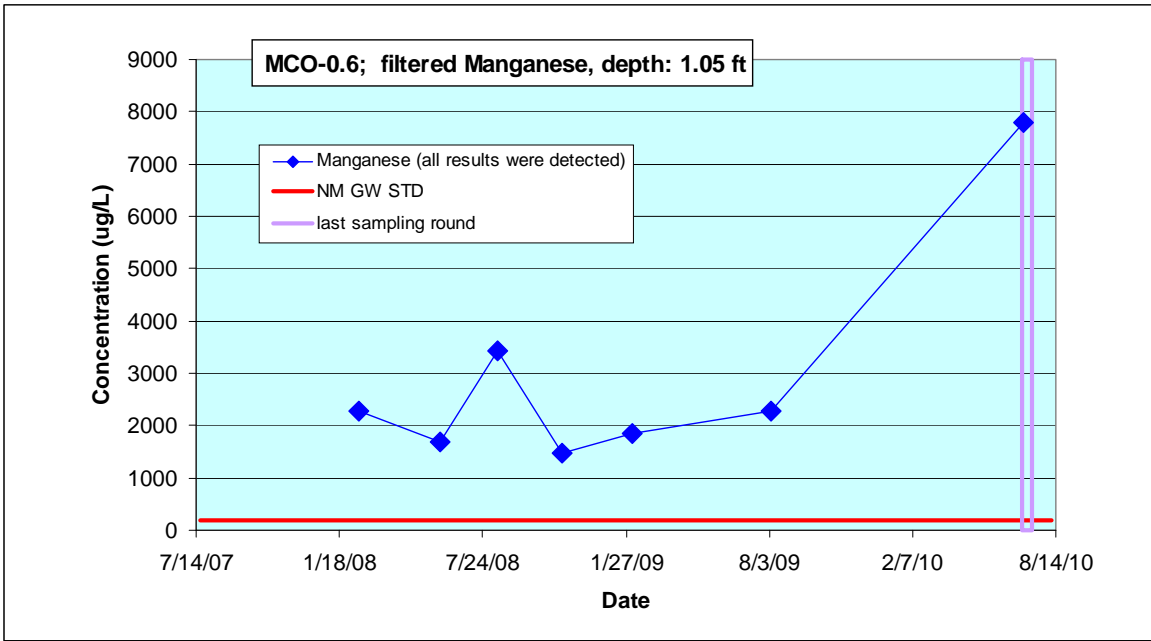


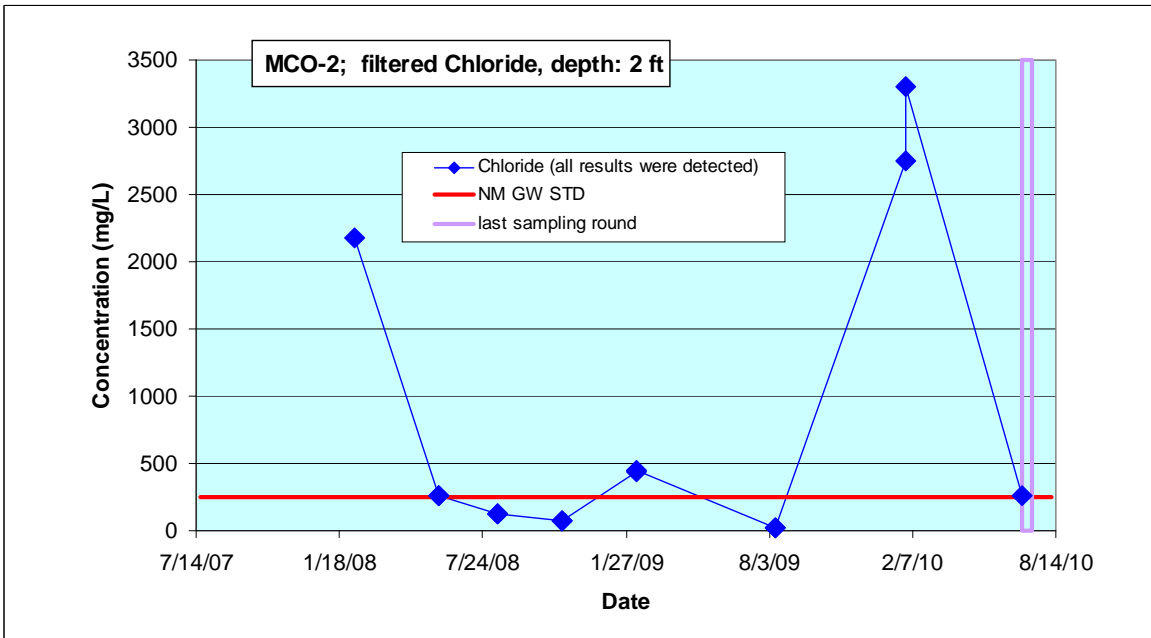
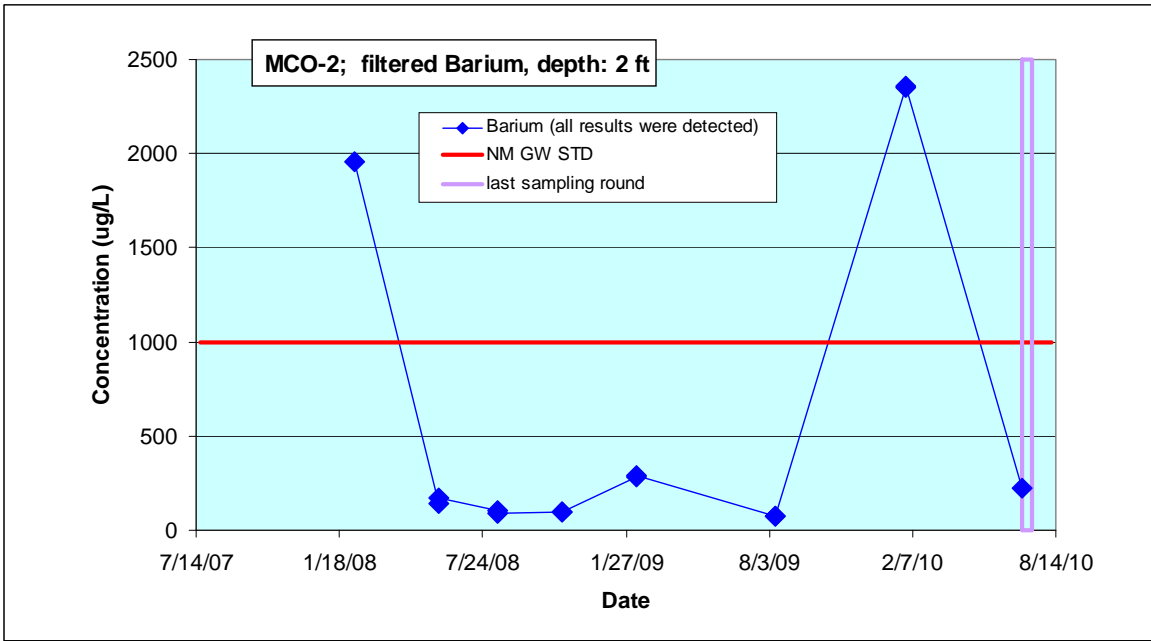


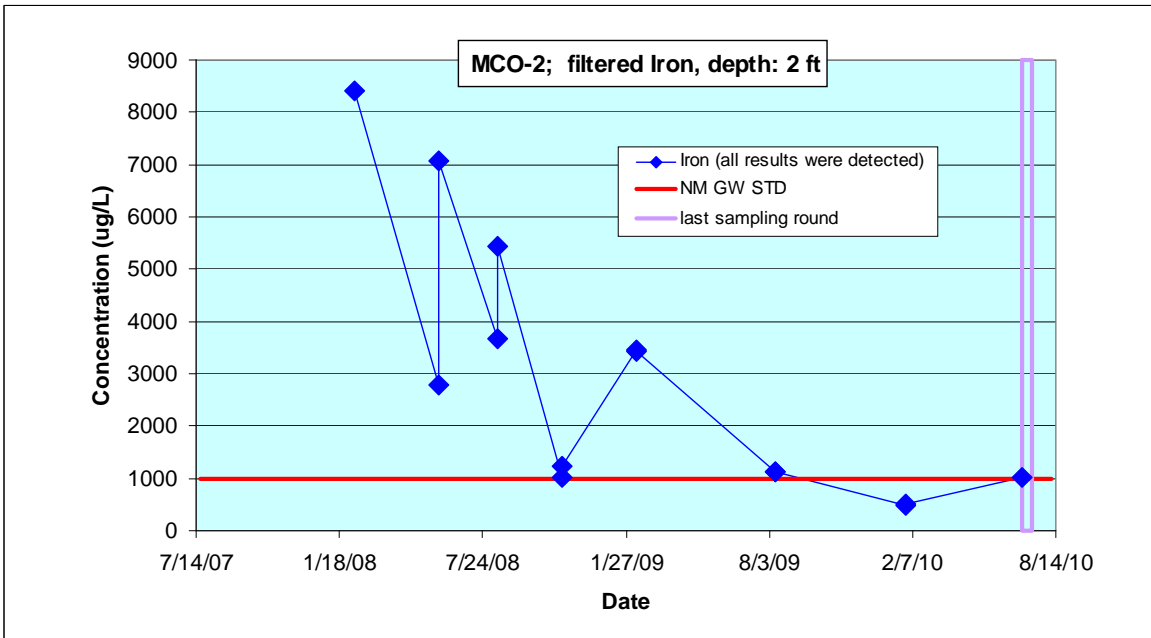
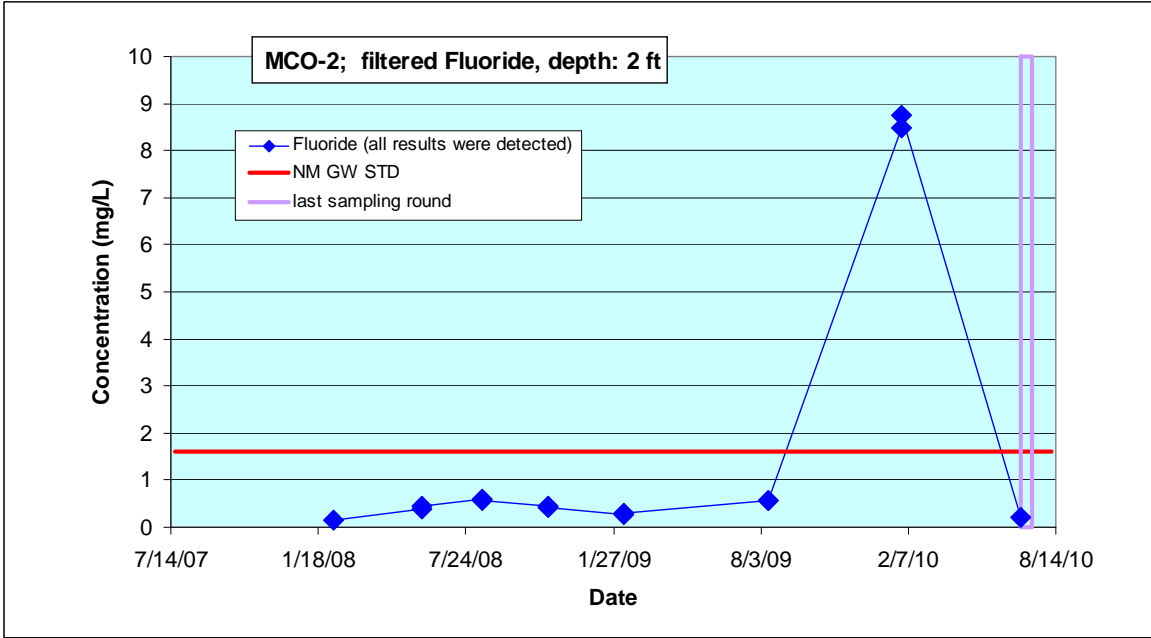


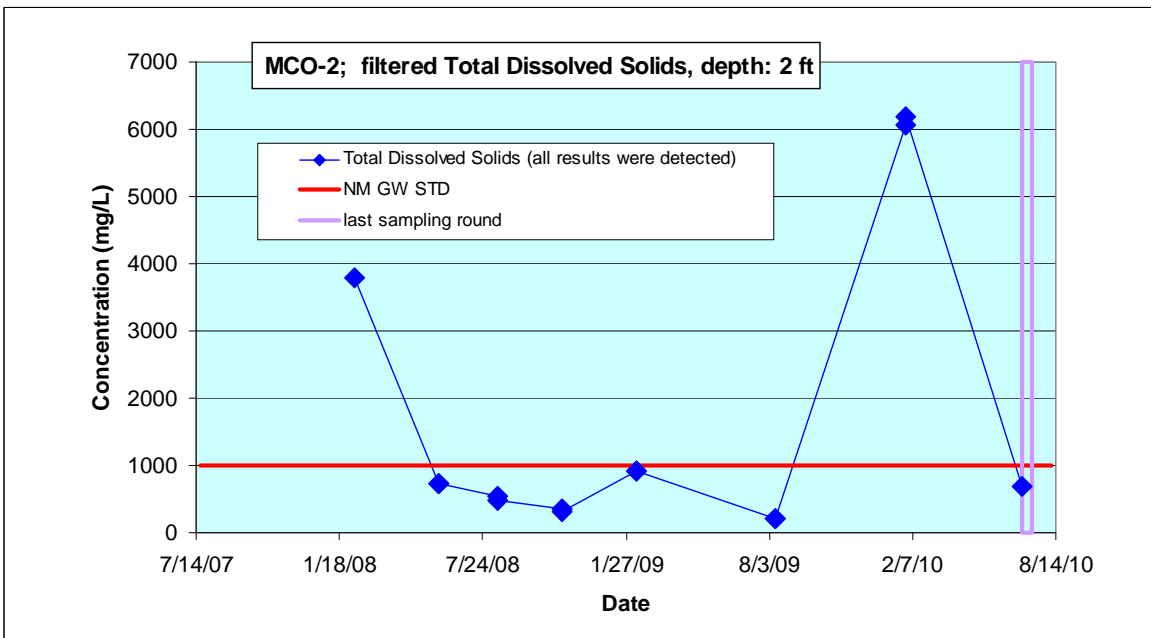
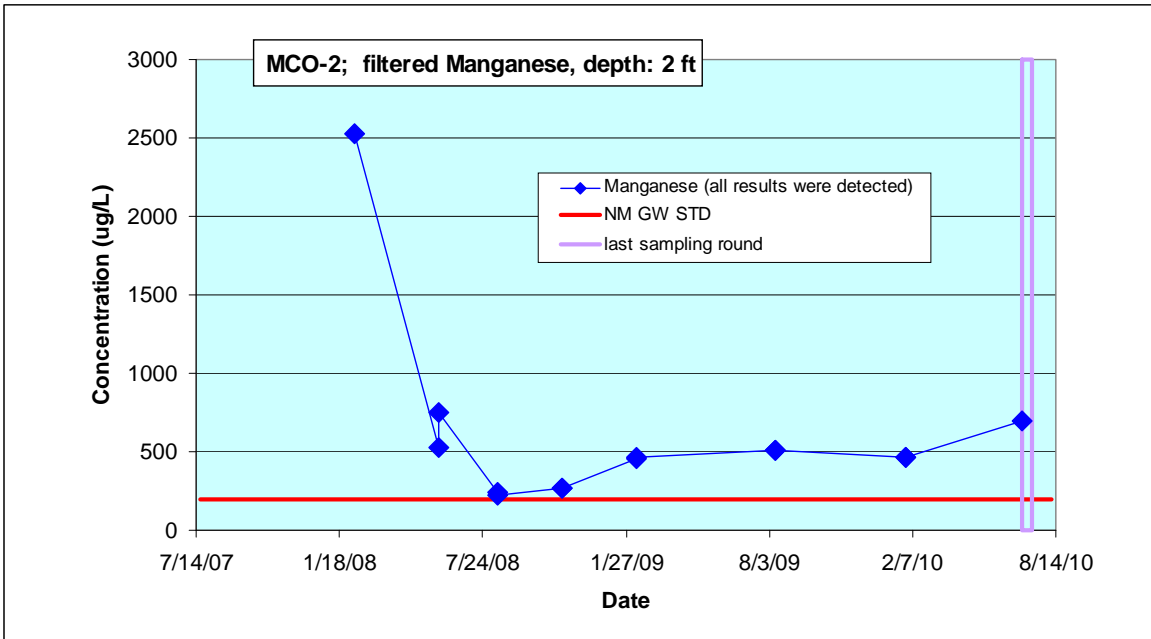


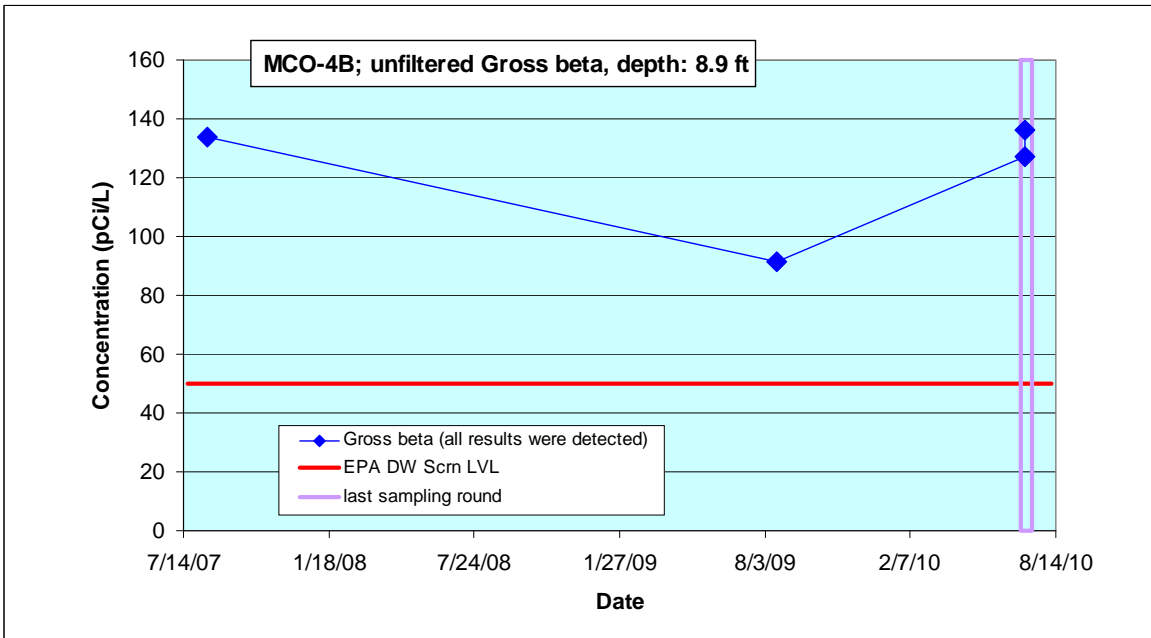
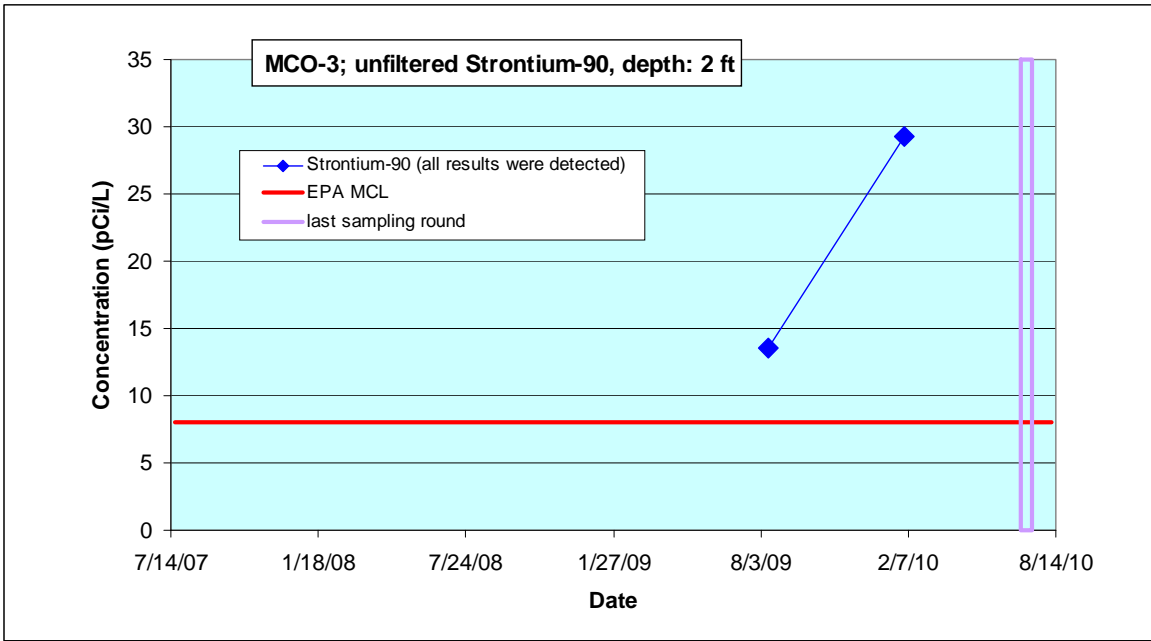


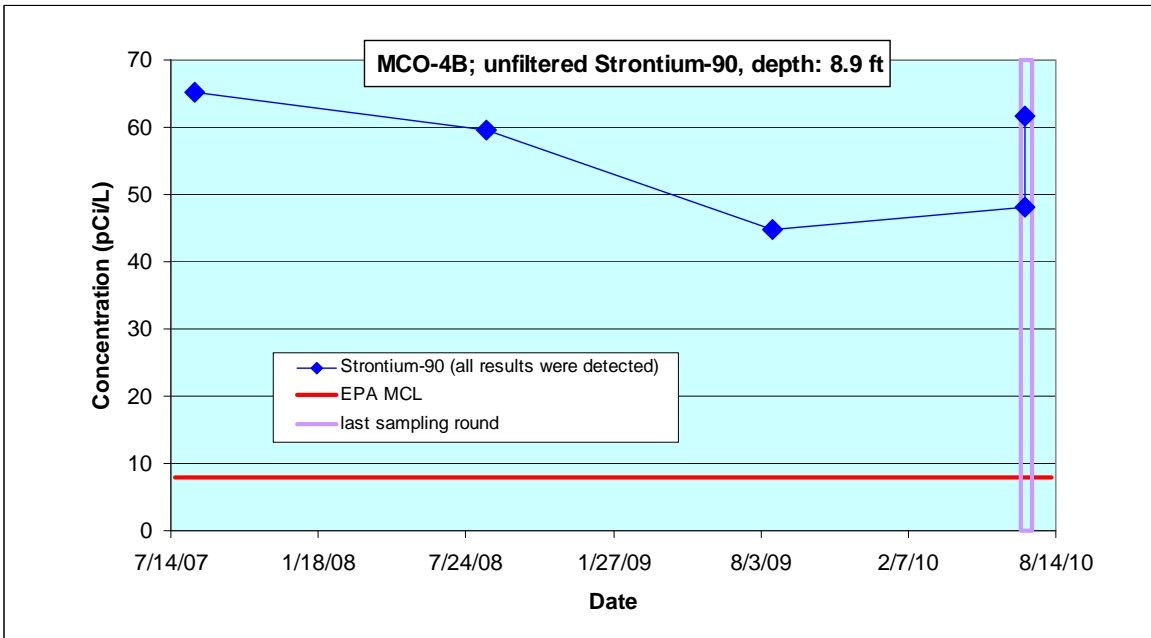
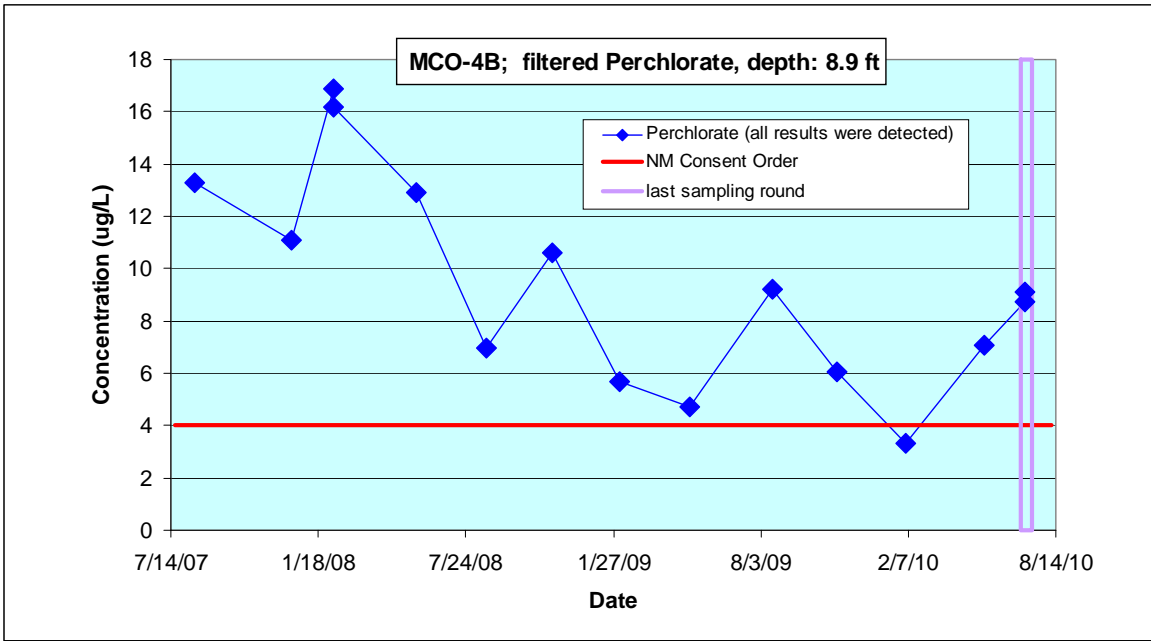




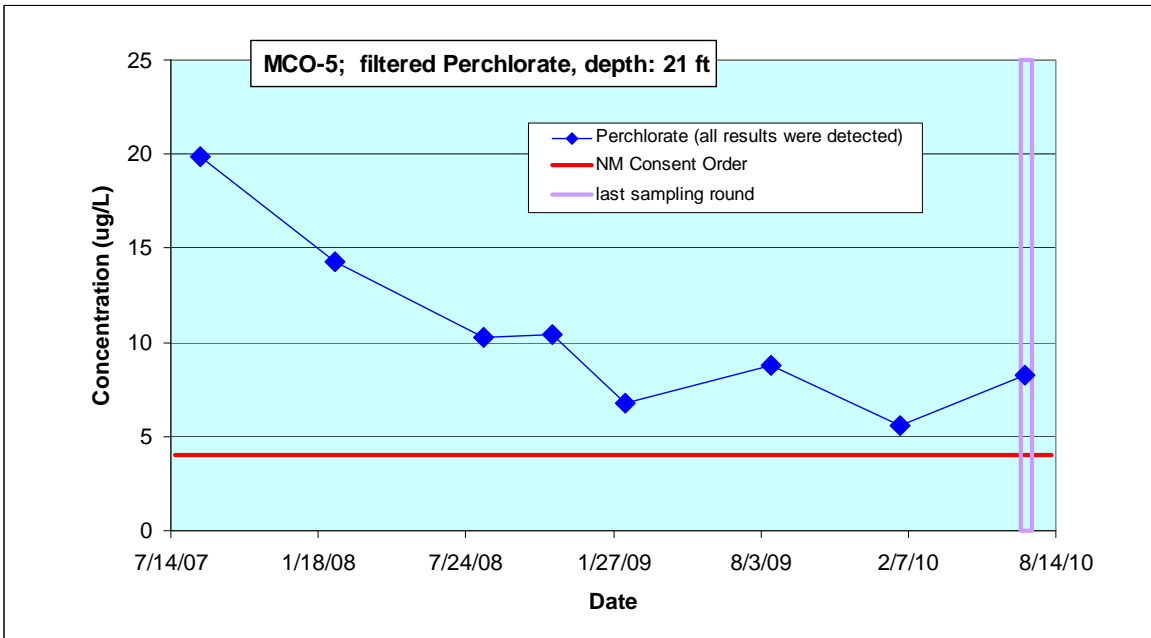
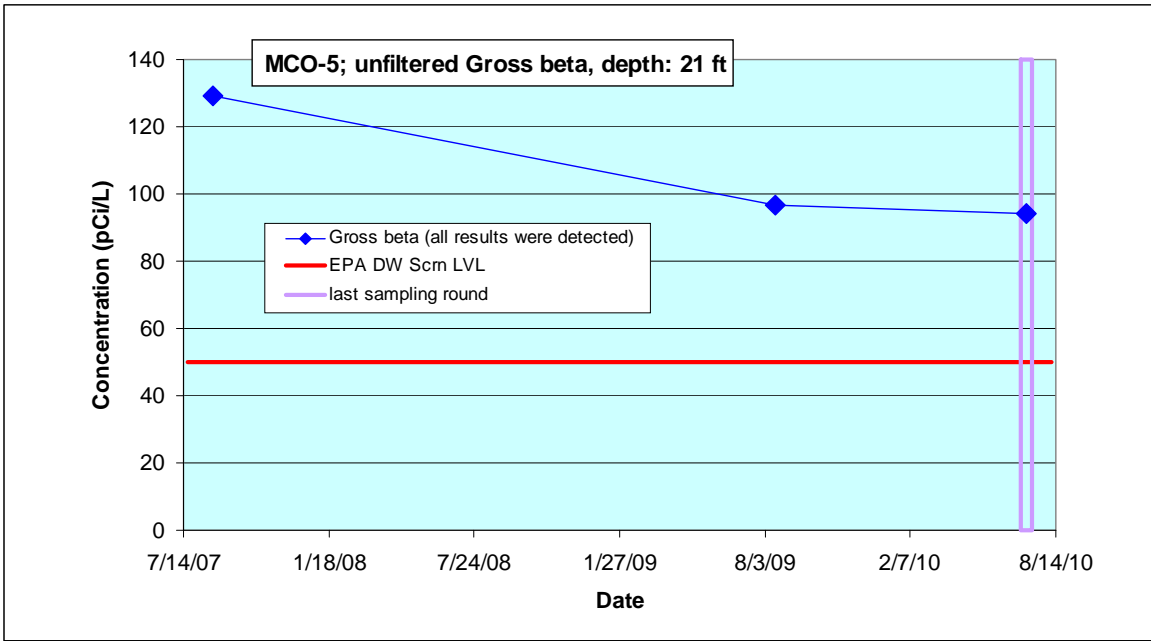


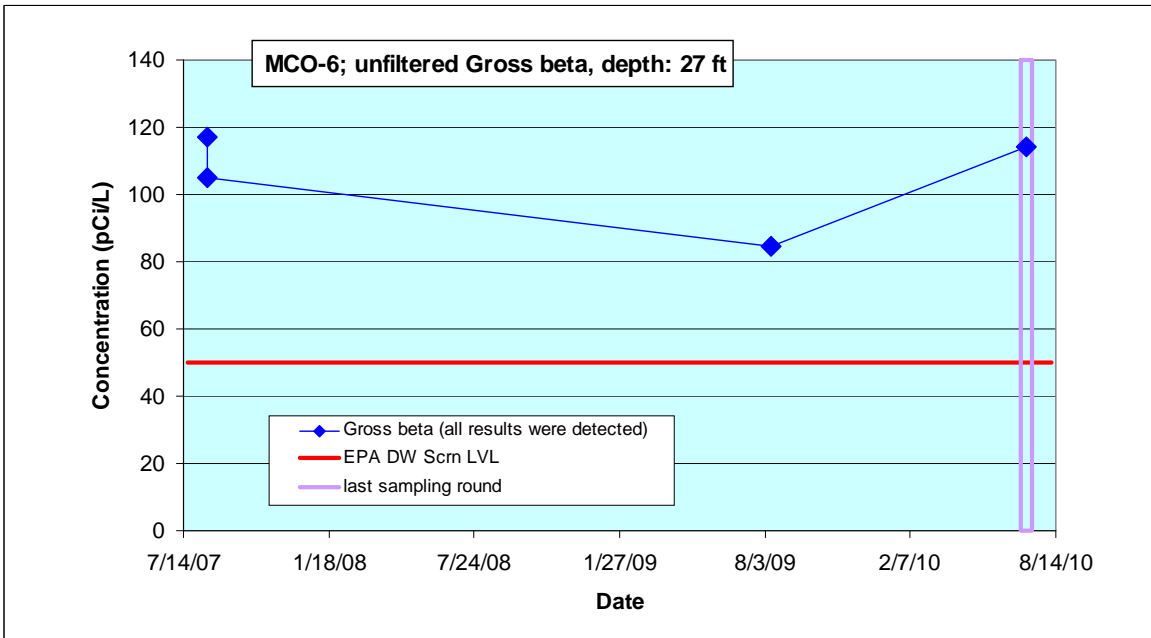
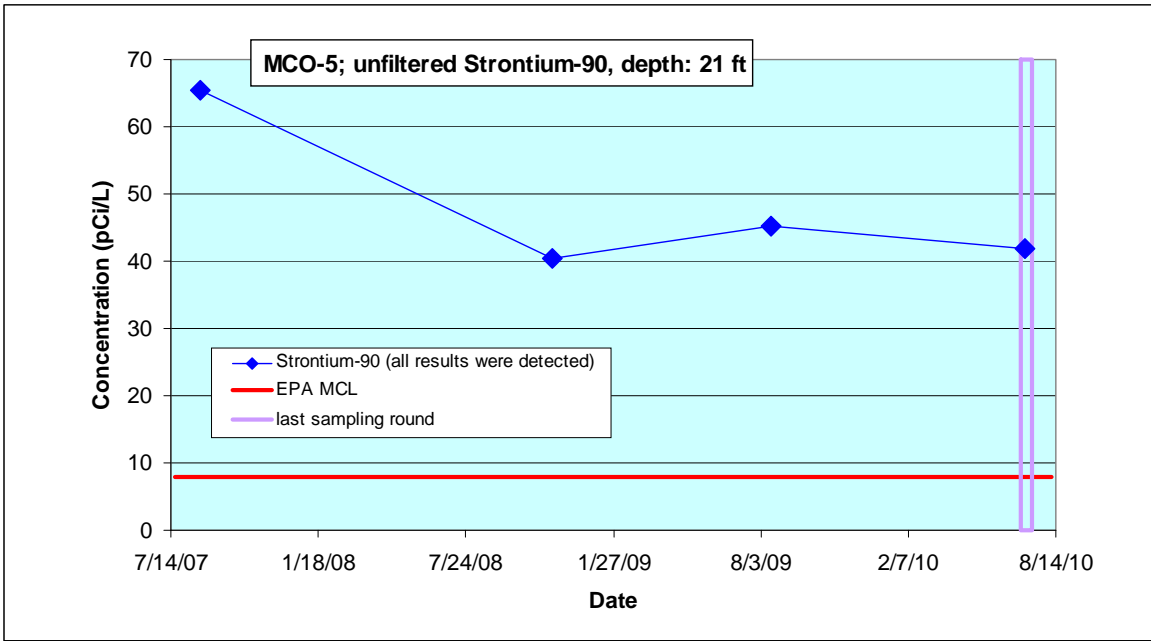


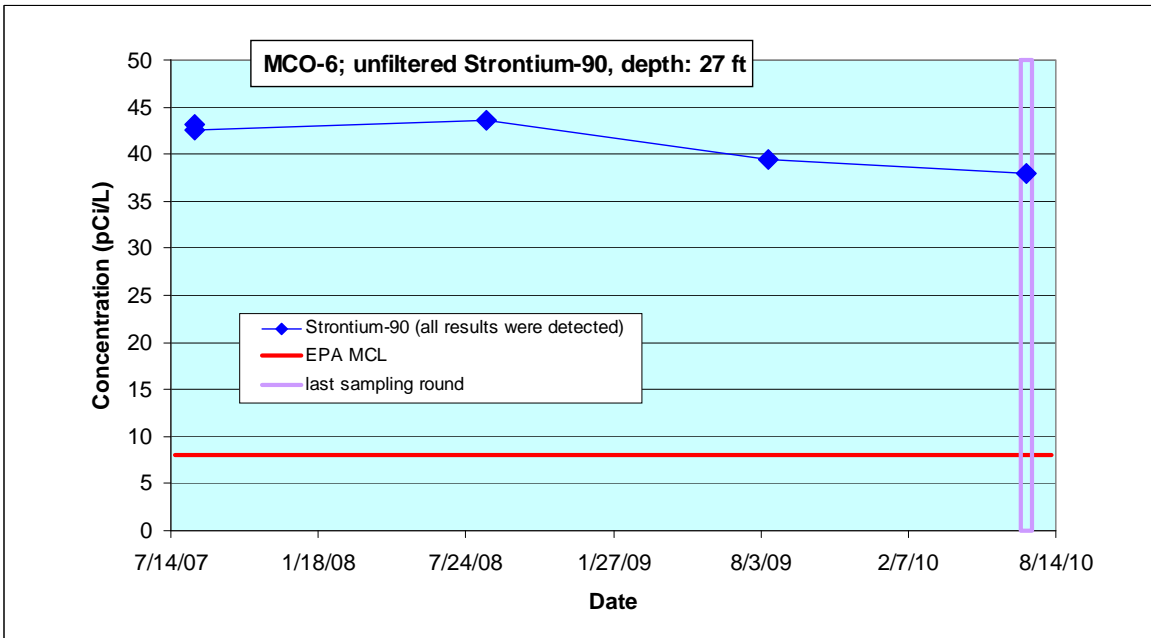
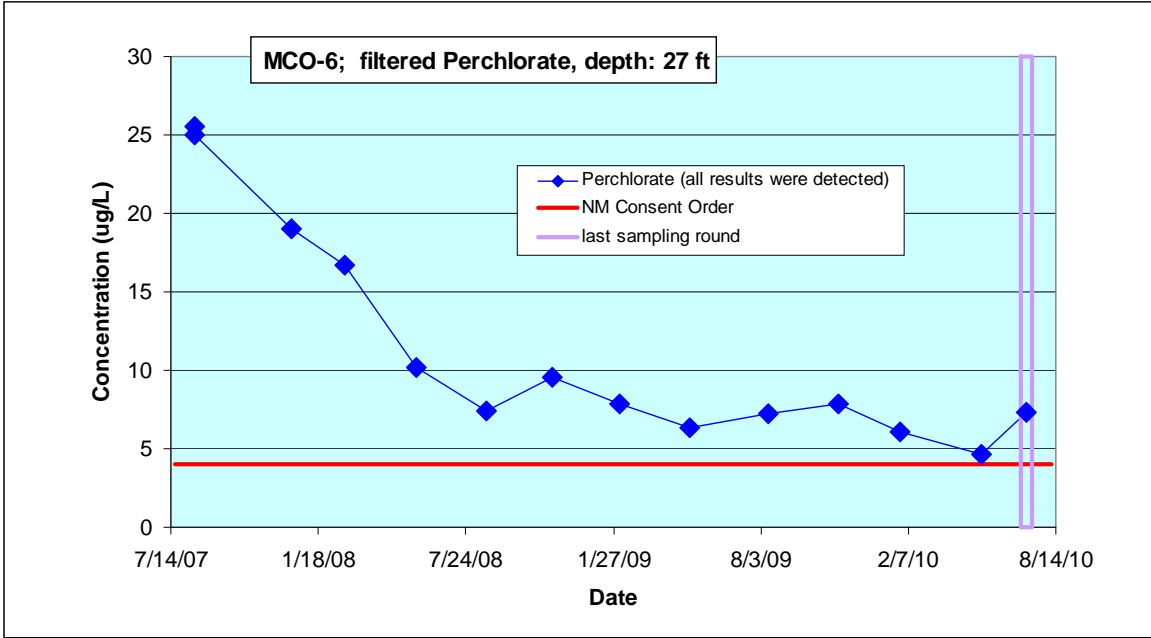


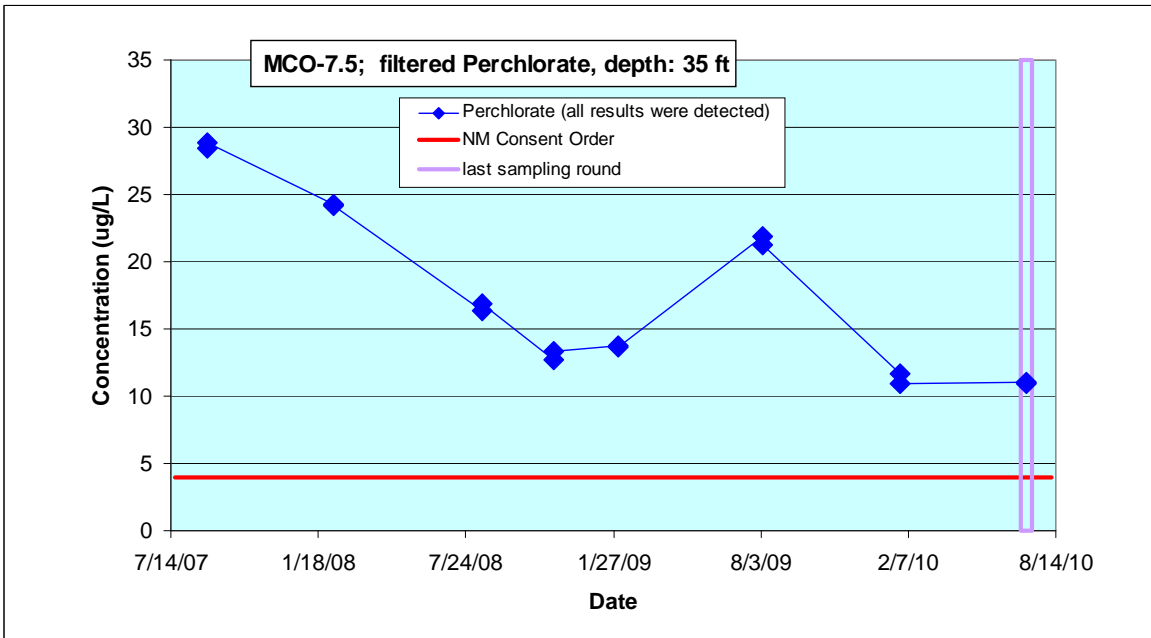
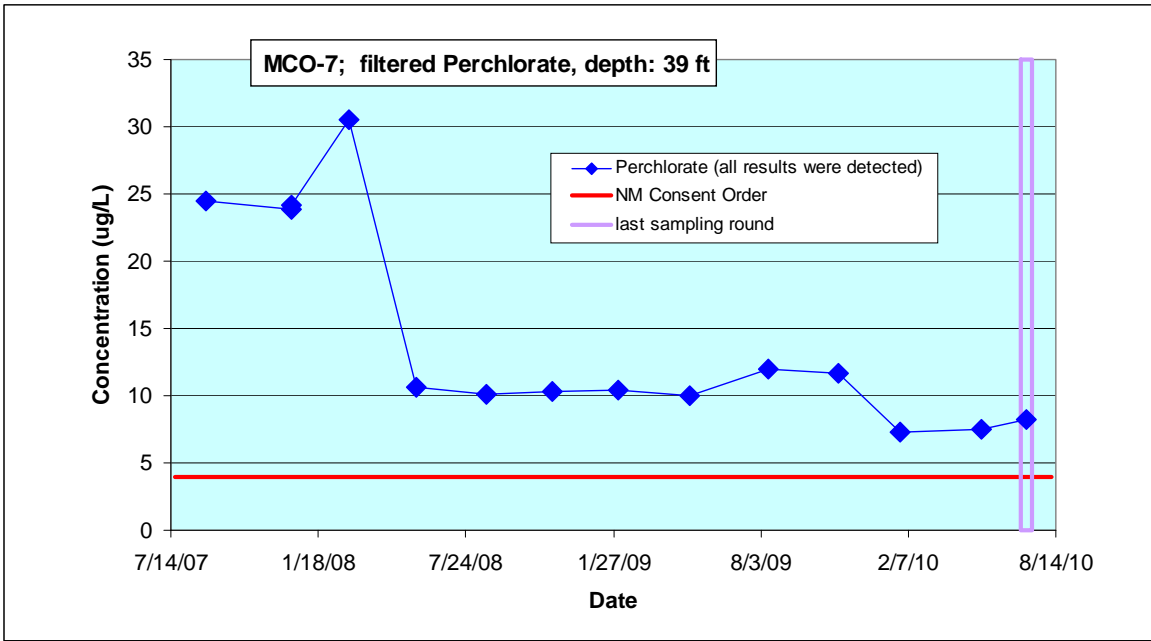


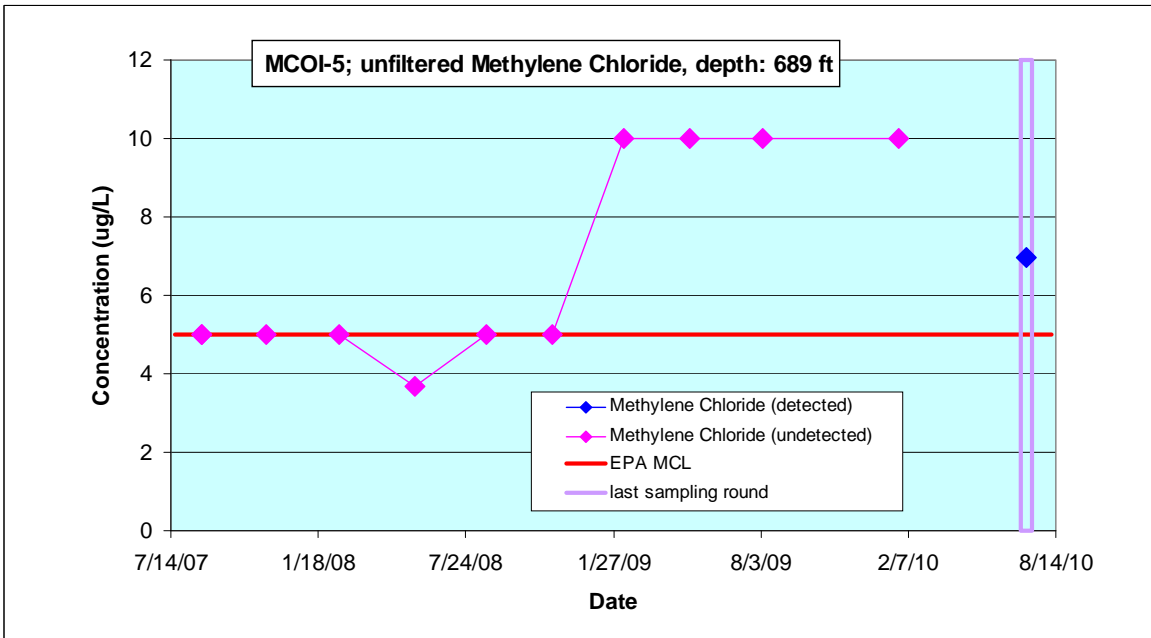
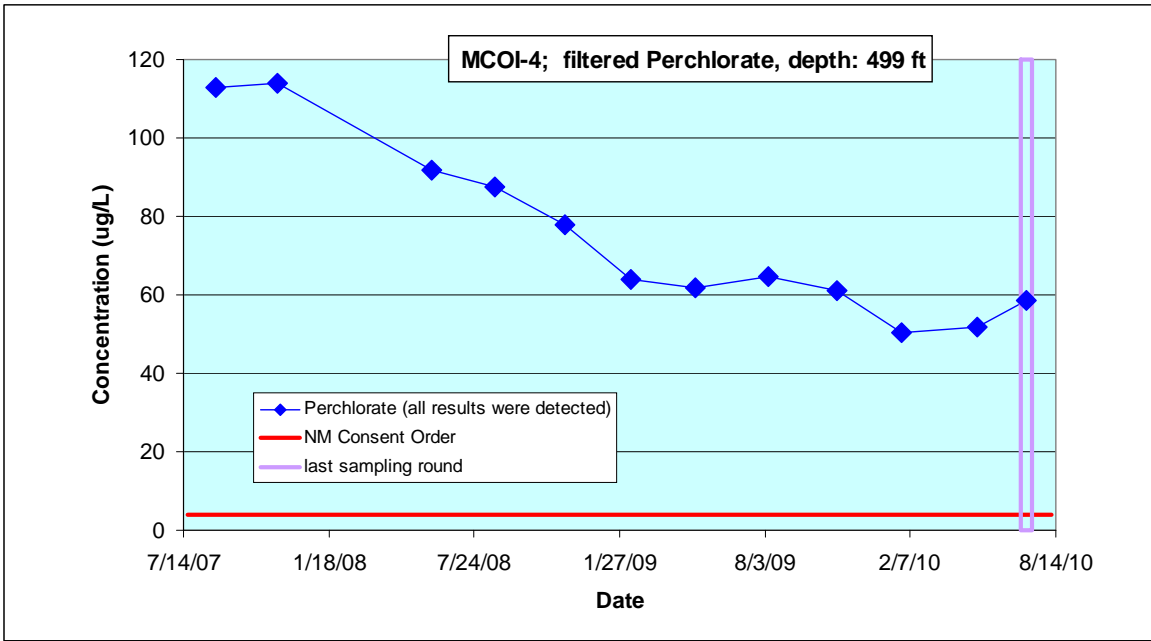


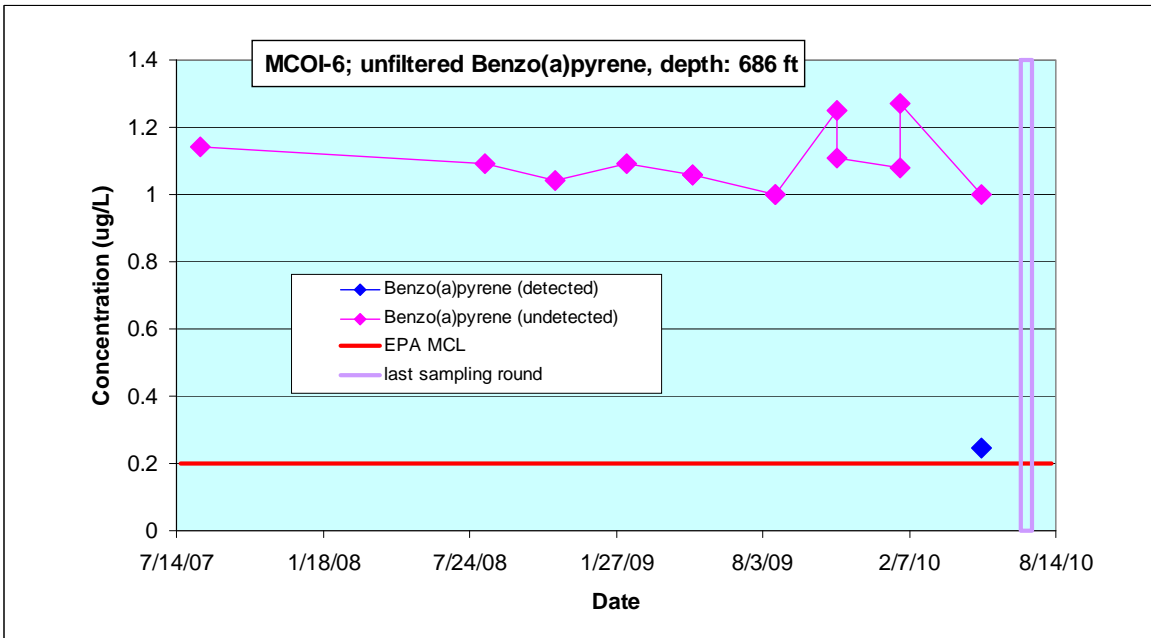
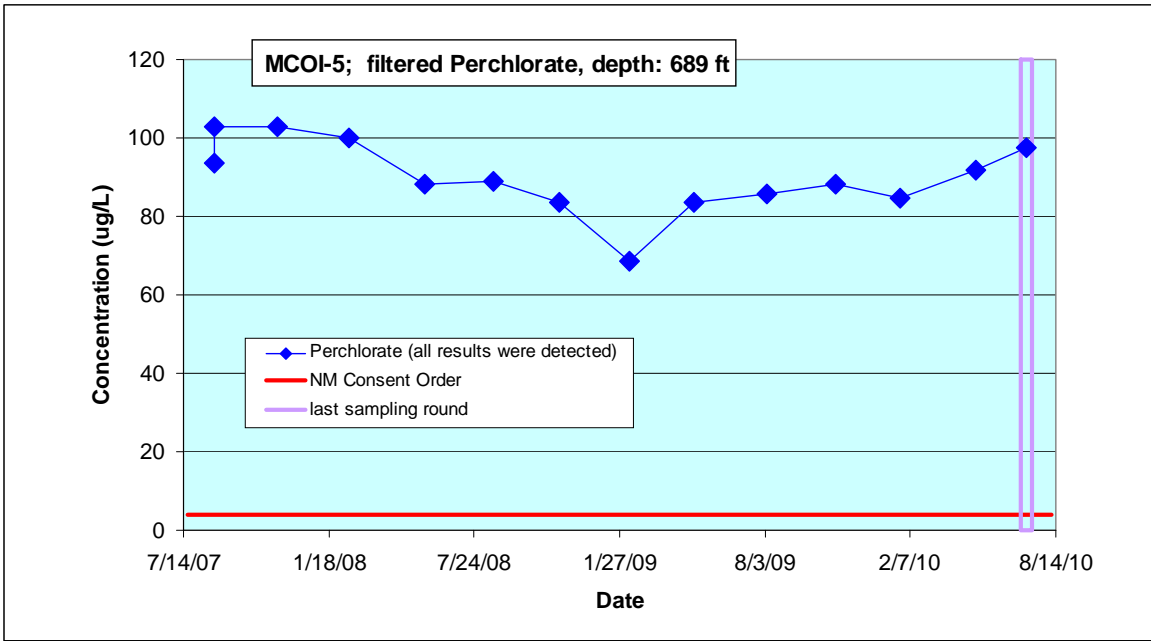


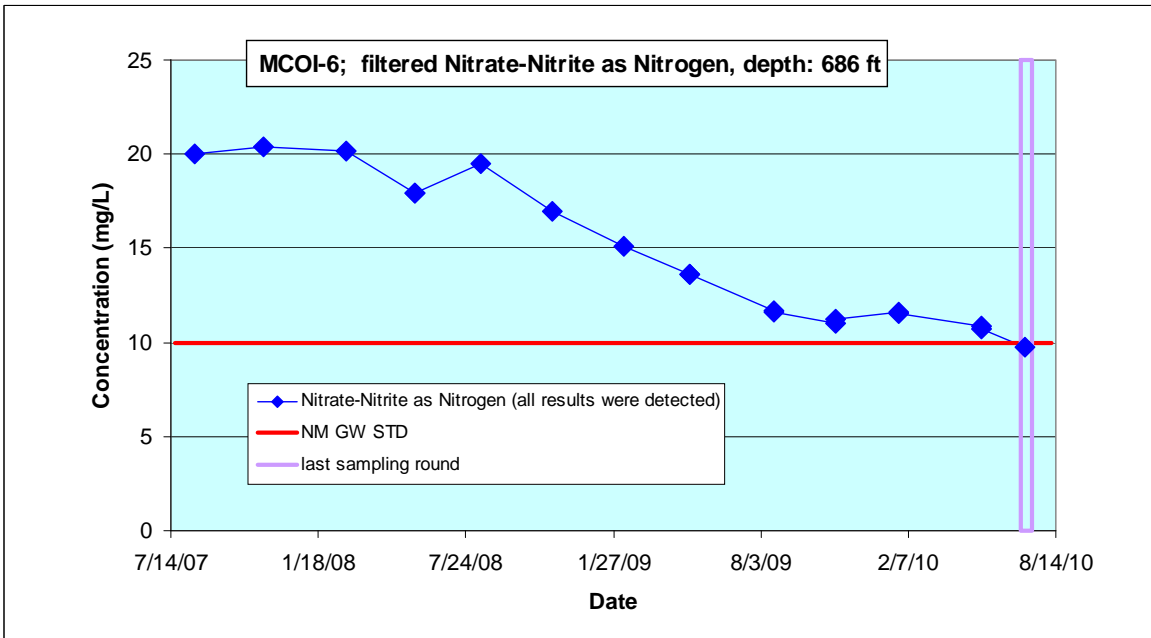
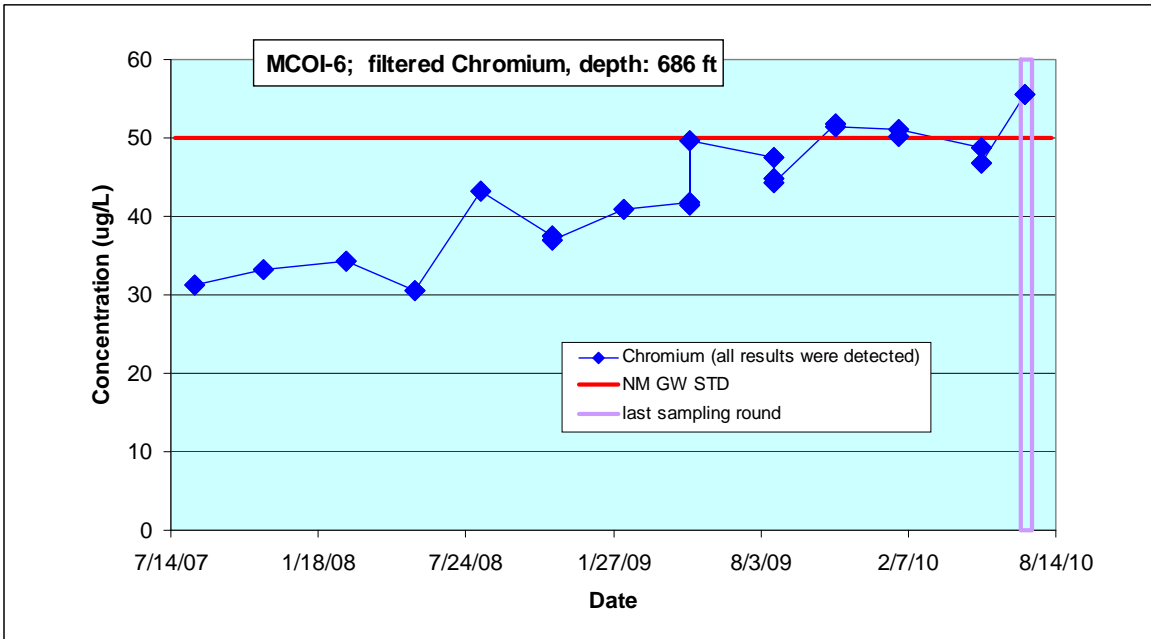


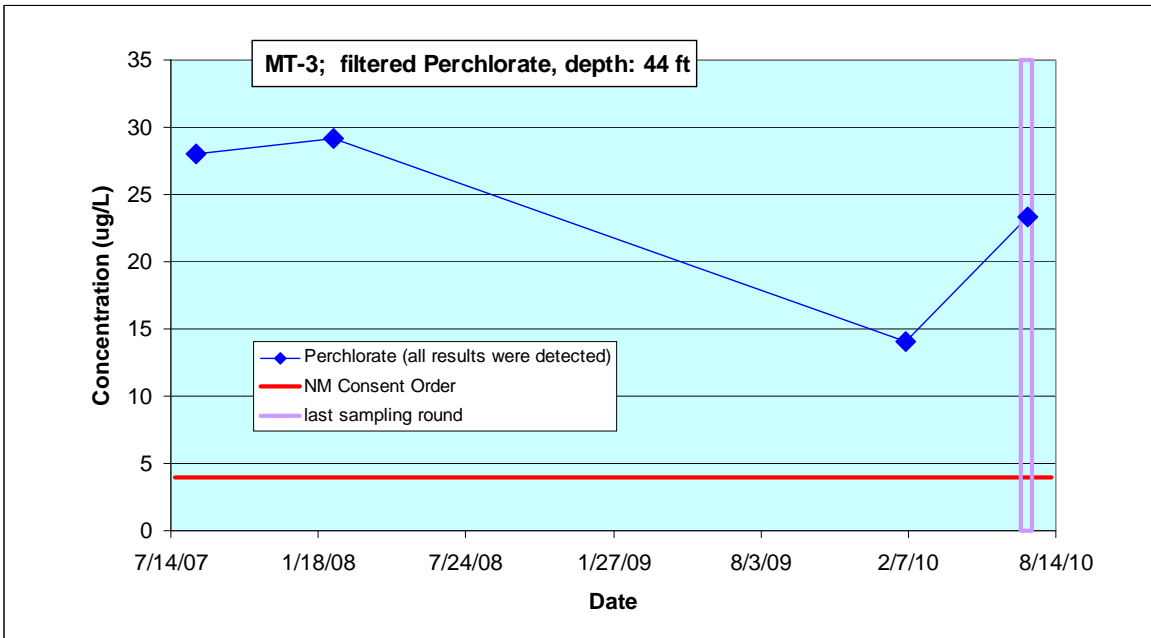
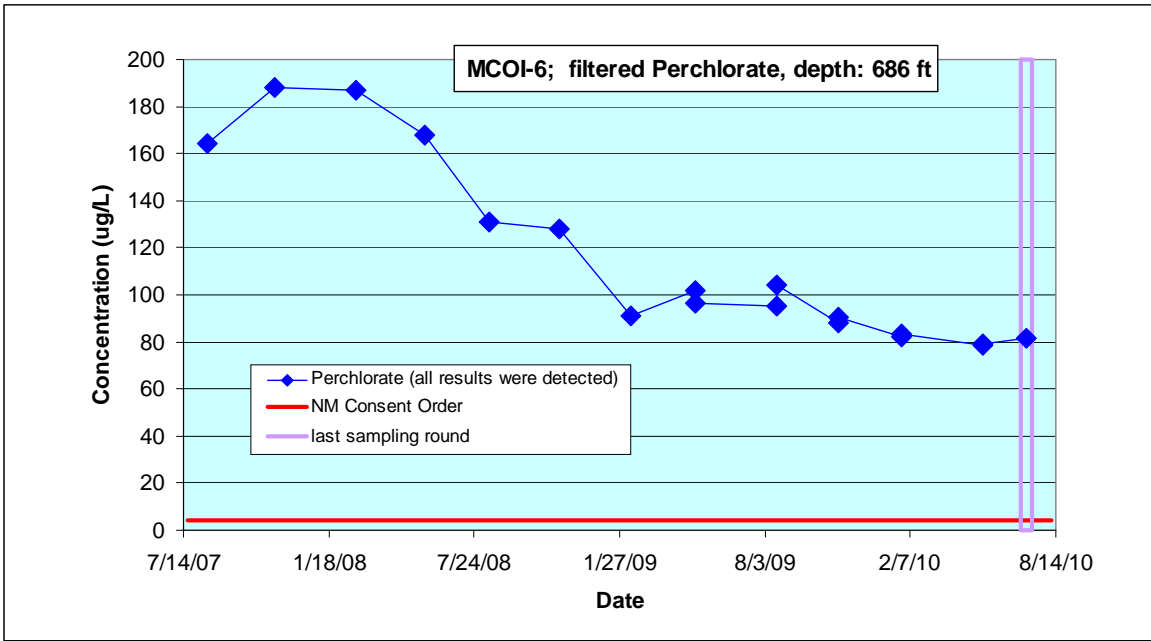




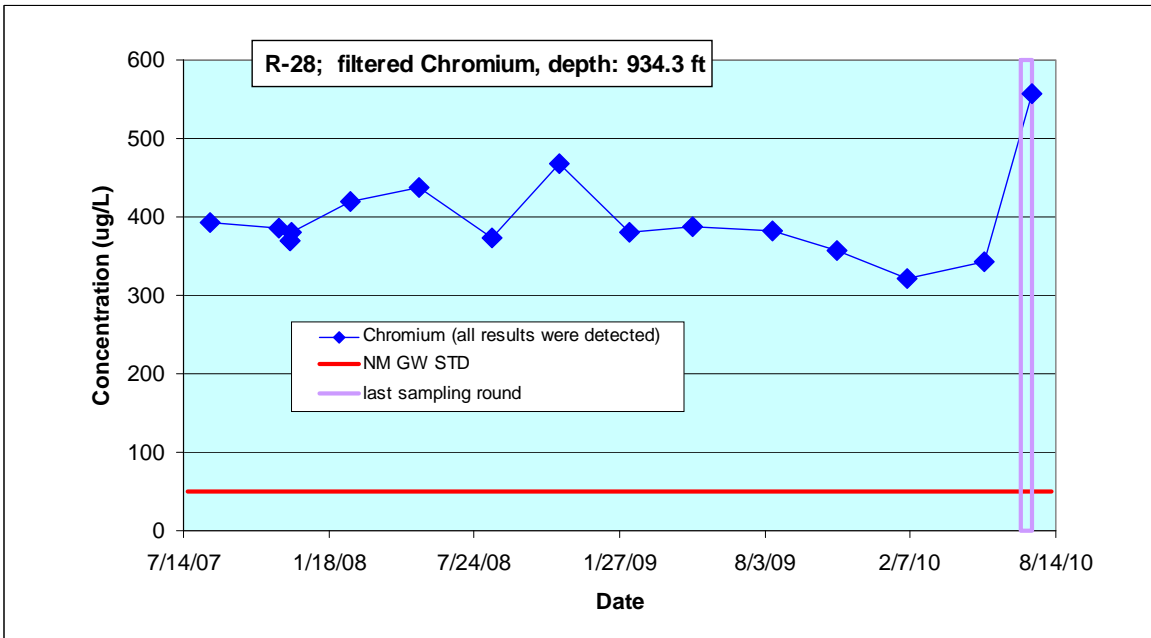
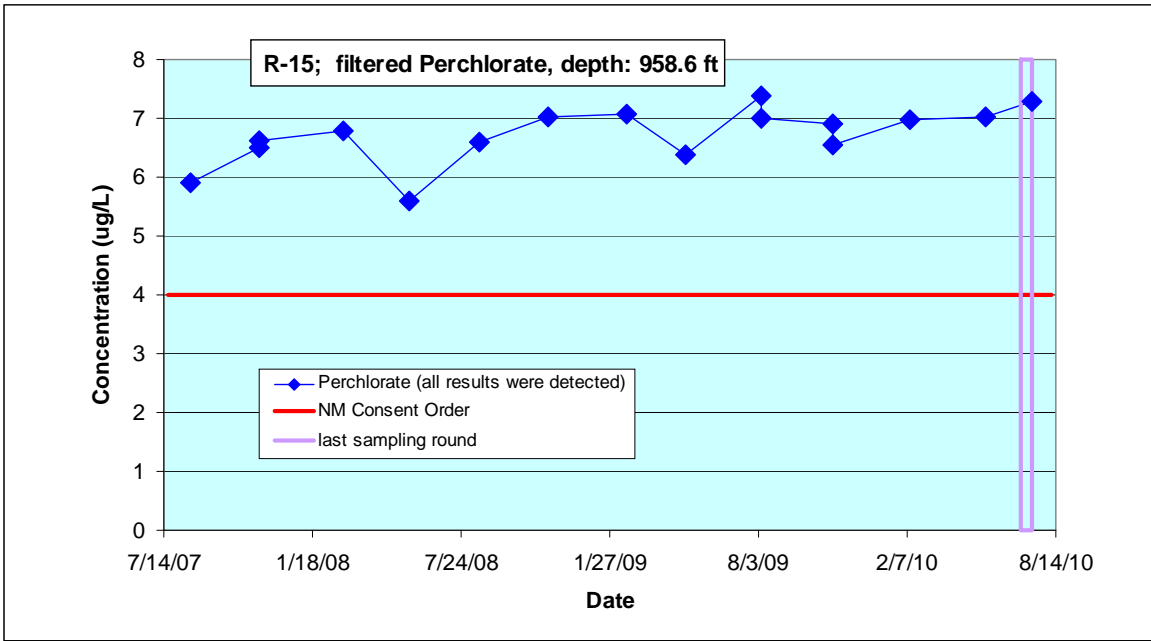


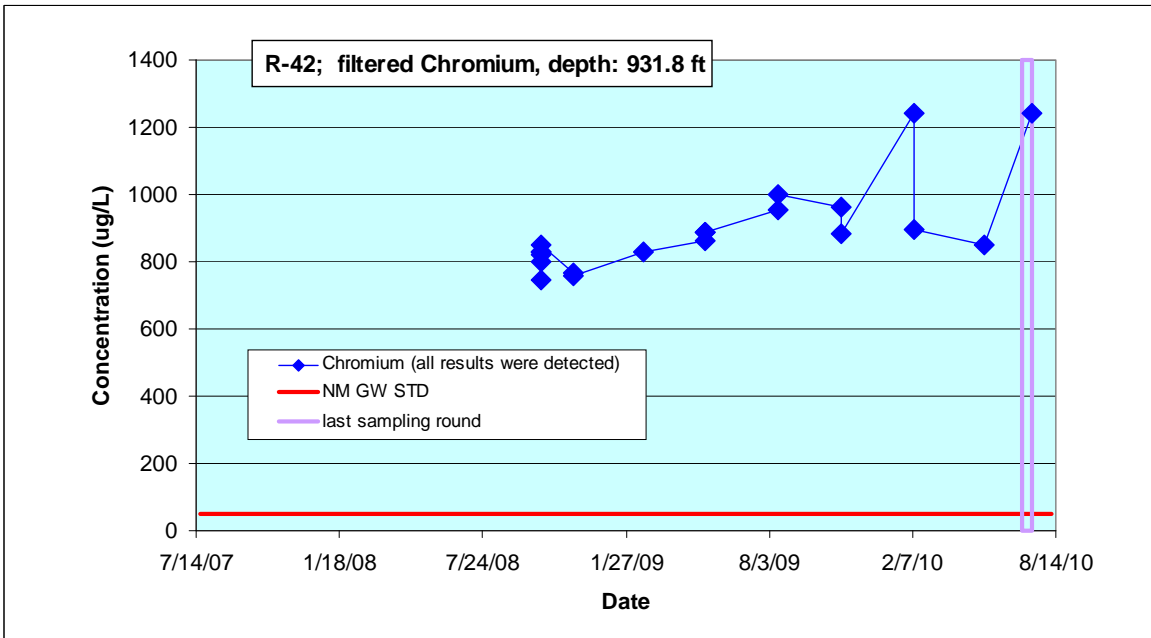
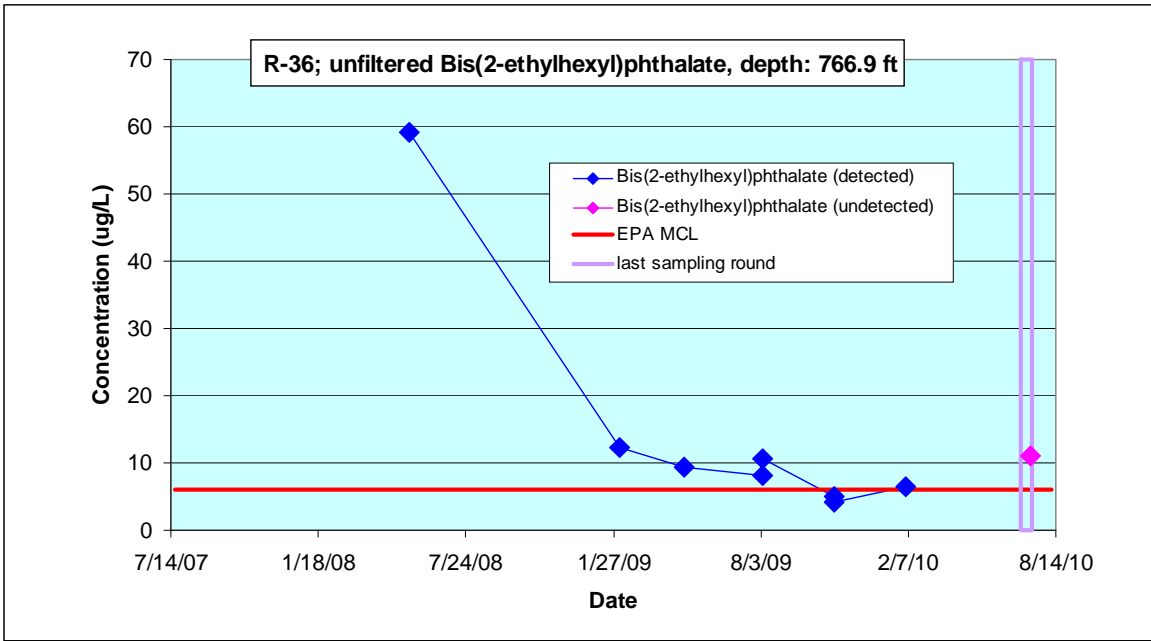


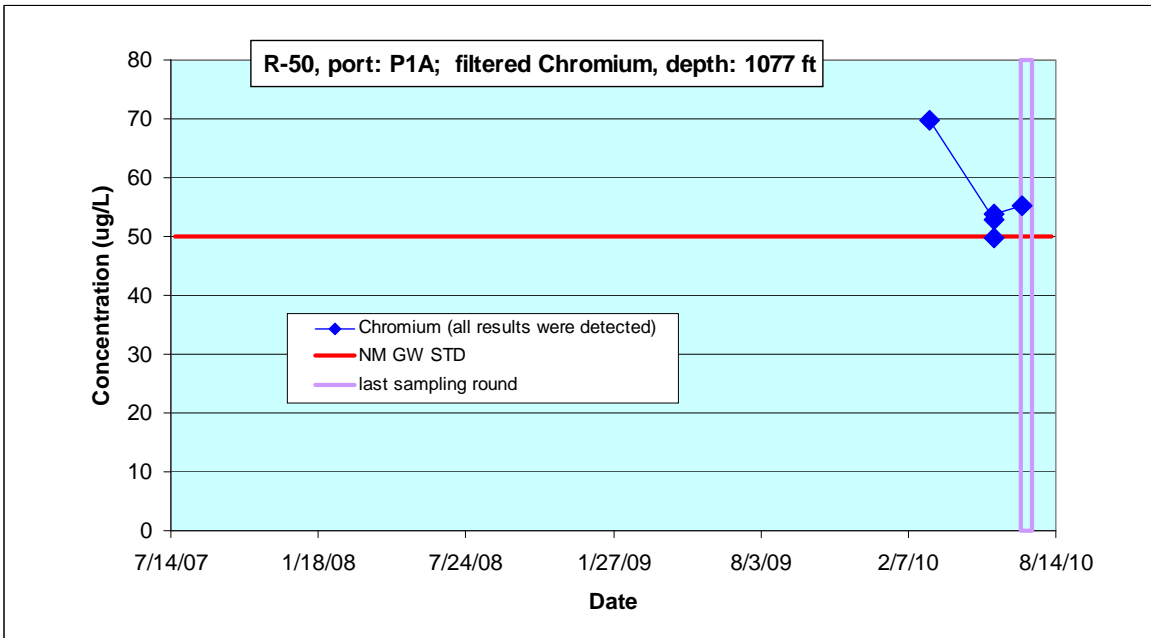
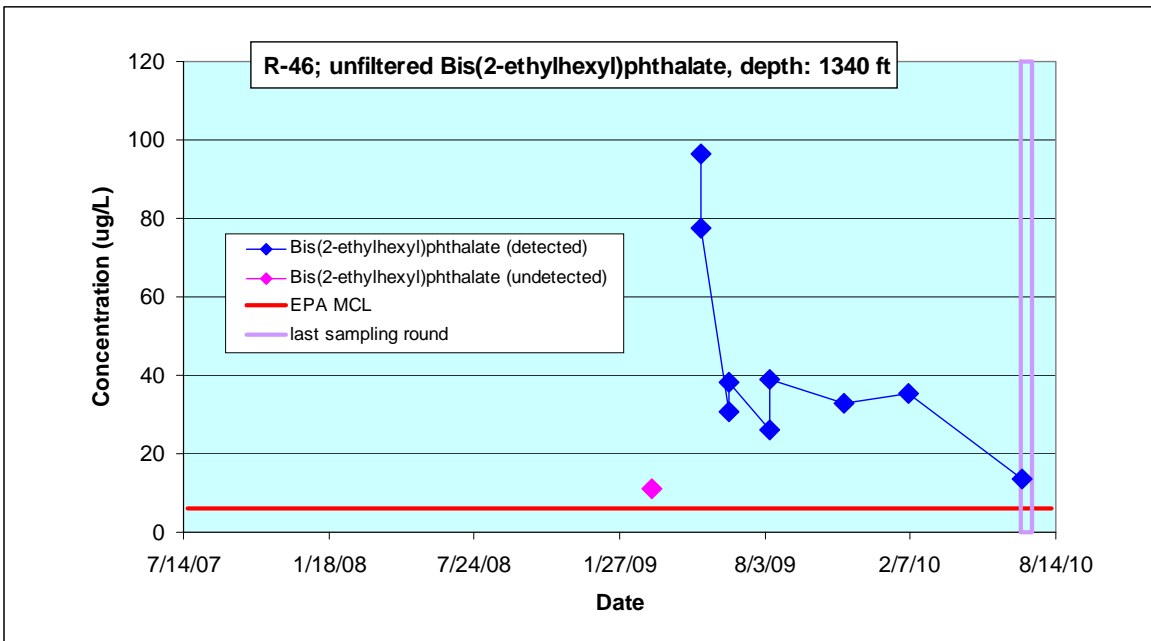




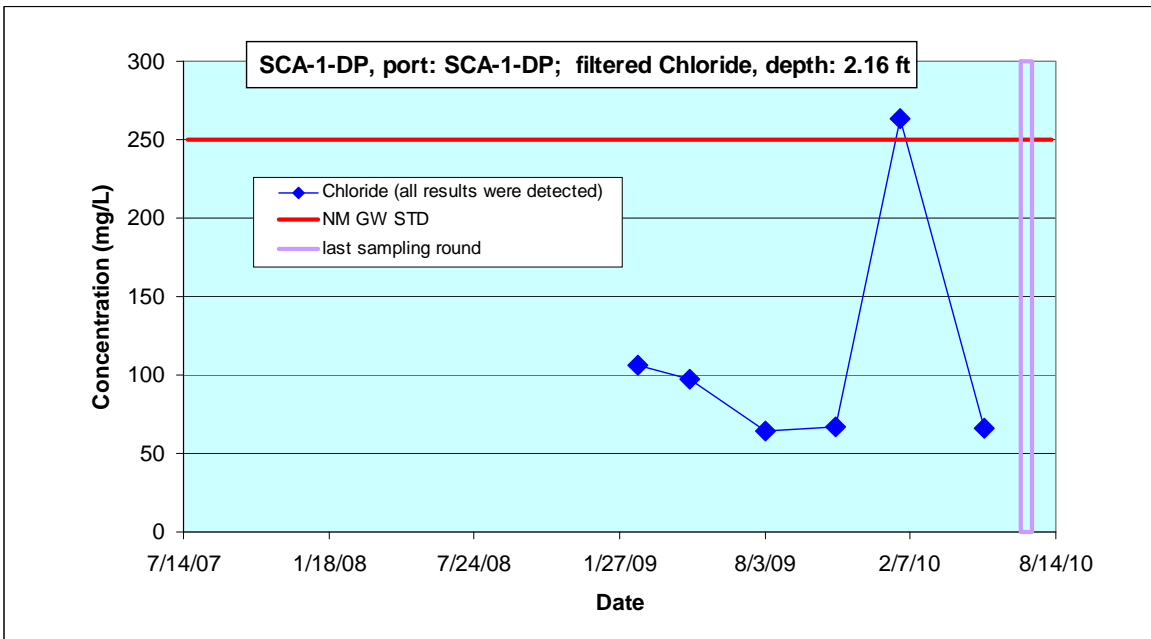
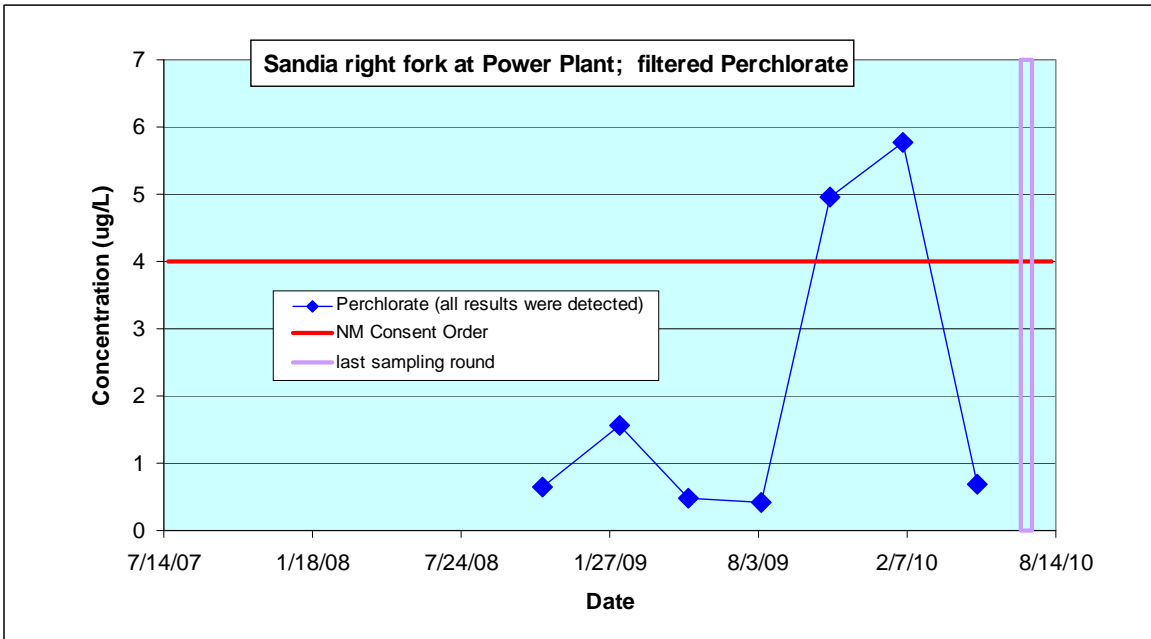


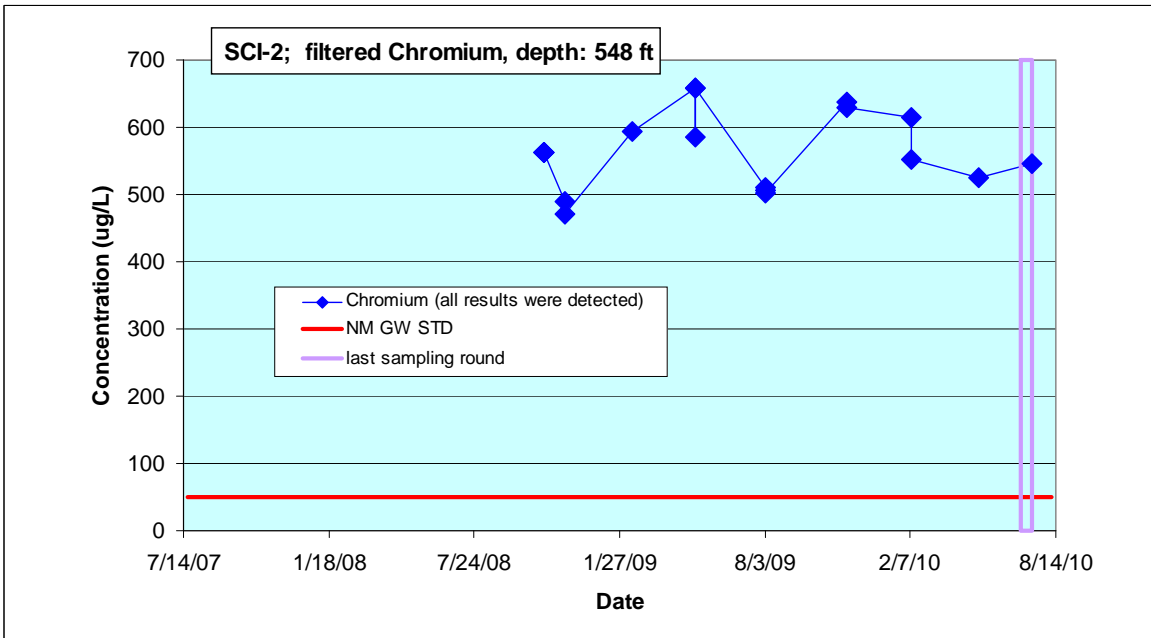
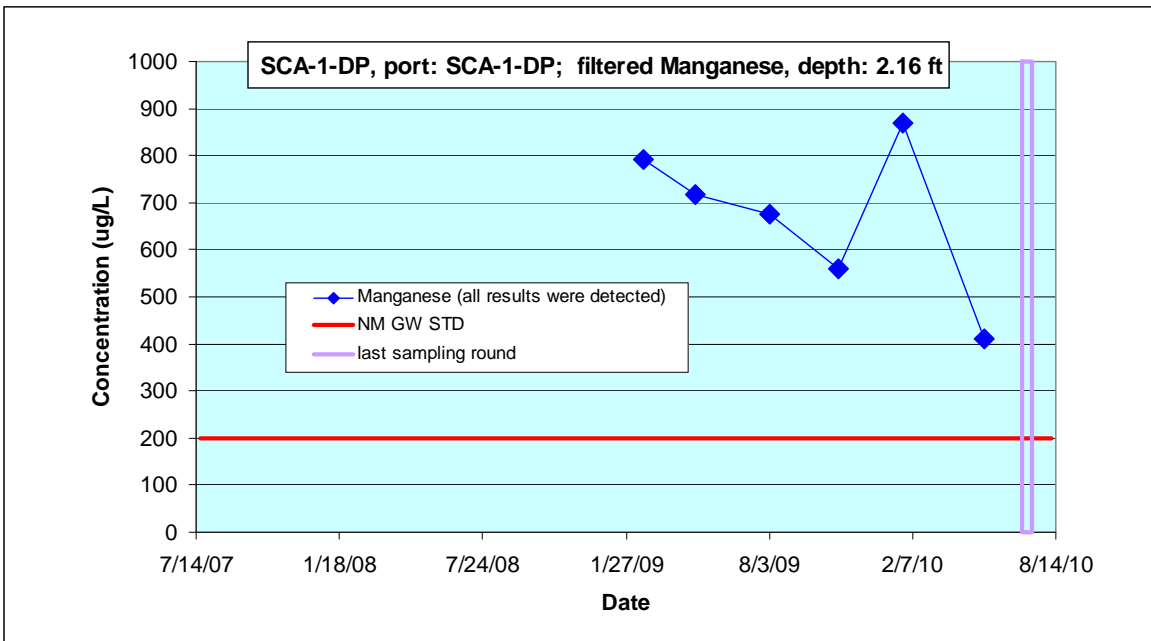


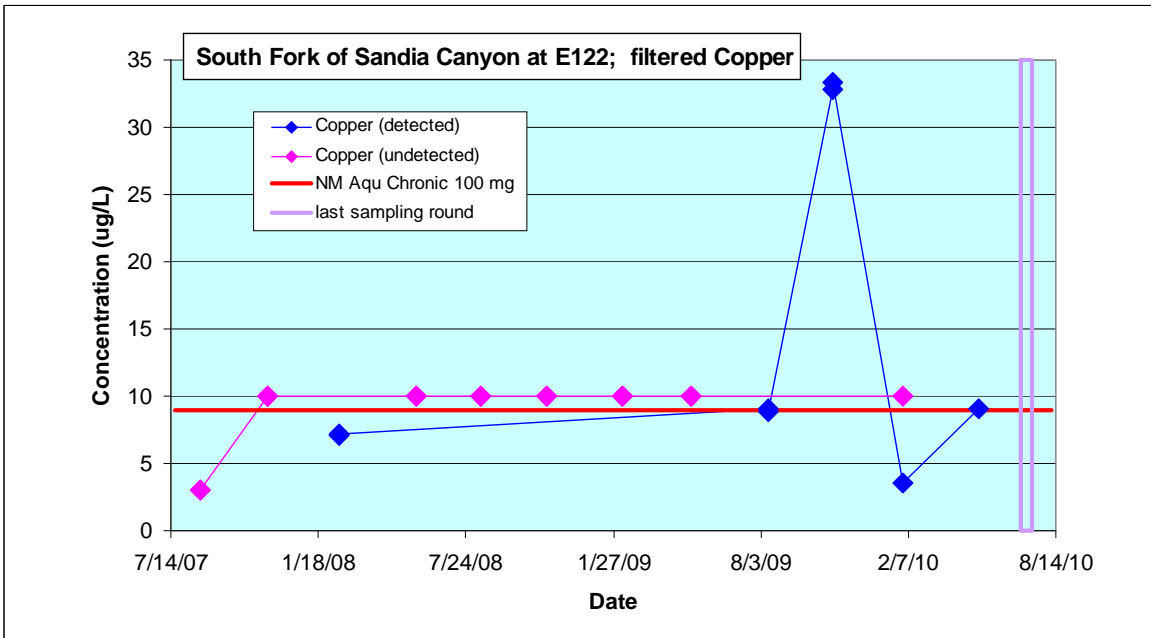
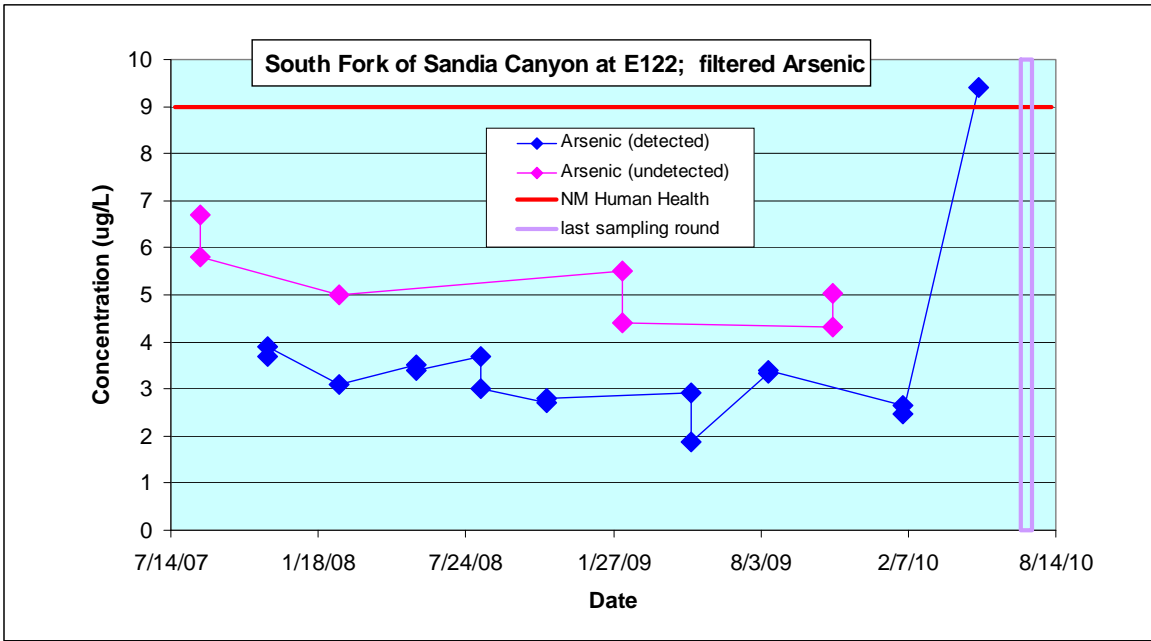


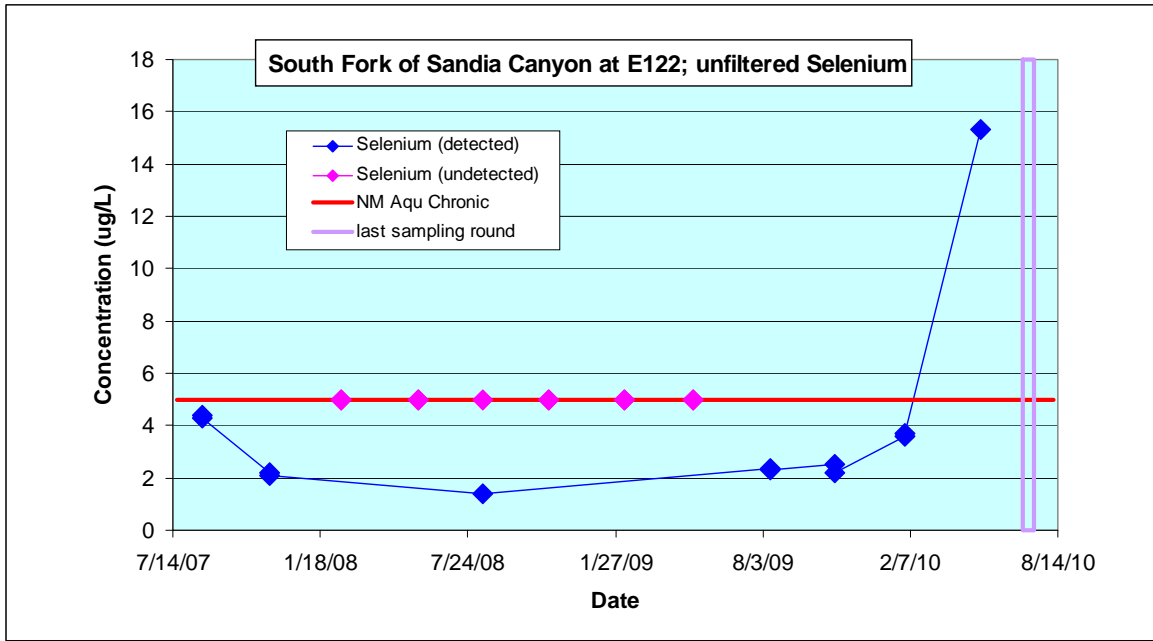


**E-2 SANDIA WATERSHED**













# **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)
10-3543	CAMO-10-22849	VOA <sup>a</sup>	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22851	HEXP <sup>b</sup>	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22851	SVOA <sup>c</sup>	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22851	VOA	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22853	SVOA	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22853	VOA	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22854	HEXP	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22854	SVOA	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22854	VOA	GELC	7/1/2010	R-14	1200.6
10-3543	CAMO-10-22889	VOA	GELC	7/1/2010	R-46	1340
10-3543	CAMO-10-22890	HEXP	GELC	7/1/2010	R-46	1340
10-3543	CAMO-10-22890	SVOA	GELC	7/1/2010	R-46	1340
10-3543	CAMO-10-22890	VOA	GELC	7/1/2010	R-46	1340
10-3544	CAMO-10-22850	GENINORG <sup>d</sup>	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22850	METALS	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22851	GENINORG	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22851	RAD <sup>e</sup>	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22852	GENINORG	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22852	METALS	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22854	GENINORG	GELC	7/1/2010	R-14	1200.6
10-3544	CAMO-10-22854	RAD	GELC	7/1/2010	R-14	1200.6
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10-3544	CAMO-10-22888	METALS	GELC	7/1/2010	R-46	1340
10-3544	CAMO-10-22890	GENINORG	GELC	7/1/2010	R-46	1340
10-3544	CAMO-10-22890	RAD	GELC	7/1/2010	R-46	1340
10-3549	CAMO-10-22794	GENINORG	GELC	7/1/2010	MCO-2	2
10-3549	CAMO-10-22794	METALS	GELC	7/1/2010	MCO-2	2
10-3549	CAMO-10-22794	SVOA	GELC	7/1/2010	MCO-2	2
10-3549	CAMO-10-22794	VOA	GELC	7/1/2010	MCO-2	2
10-3549	CAMO-10-22795	GENINORG	GELC	7/1/2010	MCO-2	2
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10-3549	CAMO-10-22796	VOA	GELC	7/1/2010	MCO-2	2
10-3549	CAMO-10-22798	SVOA	GELC	7/1/2010	MCO-2	2
10-3549	CAMO-10-22798	VOA	GELC	7/1/2010	MCO-2	2
10-3552	CAMO-10-22780	GENINORG	GELC	7/2/2010	MCO-0.6	1.05
10-3552	CAMO-10-22780	METALS	GELC	7/2/2010	MCO-0.6	1.05
10-3552	CAMO-10-22780	SVOA	GELC	7/2/2010	MCO-0.6	1.05

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
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10-3552	CAMO-10-22781	GENINORG	GELC	7/2/2010	MCO-0.6	1.05
10-3552	CAMO-10-22781	METALS	GELC	7/2/2010	MCO-0.6	1.05
10-3552	CAMO-10-22782	VOA	GELC	7/2/2010	MCO-0.6	1.05
10-3562	CAMO-10-22901	VOA	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22902	GENINORG	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22902	HEXP	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22902	PEST/PCB <sup>f</sup>	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22902	SVOA	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22902	VOA	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22903	SVOA	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22903	VOA	GELC	7/2/2010	R-50	1077
10-3562	CAMO-10-22905	VOA	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-22907	GENINORG	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-22907	HEXP	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-22907	PEST/PCB	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-22907	SVOA	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-22907	VOA	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-23271	SVOA	GELC	7/2/2010	R-50	1185
10-3562	CAMO-10-23271	VOA	GELC	7/2/2010	R-50	1185
10-3563	CAMO-10-22902	GENINORG	GELC	7/2/2010	R-50	1077
10-3563	CAMO-10-22902	METALS	GELC	7/2/2010	R-50	1077
10-3563	CAMO-10-22902	RAD	GELC	7/2/2010	R-50	1077
10-3563	CAMO-10-22904	GENINORG	GELC	7/2/2010	R-50	1077
10-3563	CAMO-10-22904	METALS	GELC	7/2/2010	R-50	1077
10-3563	CAMO-10-22906	GENINORG	GELC	7/2/2010	R-50	1185
10-3563	CAMO-10-22906	METALS	GELC	7/2/2010	R-50	1185
10-3563	CAMO-10-22907	GENINORG	GELC	7/2/2010	R-50	1185
10-3563	CAMO-10-22907	METALS	GELC	7/2/2010	R-50	1185
10-3563	CAMO-10-22907	RAD	GELC	7/2/2010	R-50	1185
10-3566	CAMO-10-22874	GENINORG	GELC	7/2/2010	R-45	974.9
10-3566	CAMO-10-22874	SVOA	GELC	7/2/2010	R-45	974.9
10-3566	CAMO-10-22874	VOA	GELC	7/2/2010	R-45	974.9
10-3566	CAMO-10-22875	VOA	GELC	7/2/2010	R-45	974.9
10-3566	CAMO-10-22877	GENINORG	GELC	7/2/2010	R-45	880
10-3566	CAMO-10-22877	SVOA	GELC	7/2/2010	R-45	880
10-3566	CAMO-10-22877	VOA	GELC	7/2/2010	R-45	880
10-3566	CAMO-10-22878	VOA	GELC	7/2/2010	R-45	880
10-3567	CAMO-10-22873	GENINORG	GELC	7/2/2010	R-45	974.9
10-3567	CAMO-10-22873	METALS	GELC	7/2/2010	R-45	974.9
10-3567	CAMO-10-22874	GENINORG	GELC	7/2/2010	R-45	974.9

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3567	CAMO-10-22874	METALS	GELC	7/2/2010	R-45	974.9
10-3567	CAMO-10-22874	RAD	GELC	7/2/2010	R-45	974.9
10-3567	CAMO-10-22876	GENINORG	GELC	7/2/2010	R-45	880
10-3567	CAMO-10-22876	METALS	GELC	7/2/2010	R-45	880
10-3567	CAMO-10-22877	GENINORG	GELC	7/2/2010	R-45	880
10-3567	CAMO-10-22877	METALS	GELC	7/2/2010	R-45	880
10-3567	CAMO-10-22877	RAD	GELC	7/2/2010	R-45	880
10-3572	CAMO-10-22902	DIOX/FUR	CFA	7/2/2010	R-50	1077
10-3572	CAMO-10-22907	DIOX/FUR	CFA	7/2/2010	R-50	1185
10-3584	CAMO-10-22800	GENINORG	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22800	SVOA	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22800	VOA	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22807	GENINORG	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22807	SVOA	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22807	VOA	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22808	VOA	GELC	7/6/2010	MCO-4B	8.9
10-3584	CAMO-10-22809	VOA	GELC	7/6/2010	MCO-5	21
10-3584	CAMO-10-22811	GENINORG	GELC	7/6/2010	MCO-5	21
10-3584	CAMO-10-22811	SVOA	GELC	7/6/2010	MCO-5	21
10-3584	CAMO-10-22811	VOA	GELC	7/6/2010	MCO-5	21
10-3585	CAMO-10-22799	GENINORG	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22799	METALS	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22800	GENINORG	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22800	METALS	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22806	GENINORG	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22806	METALS	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22807	GENINORG	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22807	METALS	GELC	7/6/2010	MCO-4B	8.9
10-3585	CAMO-10-22810	GENINORG	GELC	7/6/2010	MCO-5	21
10-3585	CAMO-10-22810	METALS	GELC	7/6/2010	MCO-5	21
10-3585	CAMO-10-22811	GENINORG	GELC	7/6/2010	MCO-5	21
10-3585	CAMO-10-22811	METALS	GELC	7/6/2010	MCO-5	21
10-3586	CAMO-10-22800	RAD	GELC	7/6/2010	MCO-4B	8.9
10-3586	CAMO-10-22807	RAD	GELC	7/6/2010	MCO-4B	8.9
10-3586	CAMO-10-22811	RAD	GELC	7/6/2010	MCO-5	21
10-3589	CAMO-10-22837	GENINORG	GELC	7/6/2010	MCOI-6	686
10-3589	CAMO-10-22837	METALS	GELC	7/6/2010	MCOI-6	686
10-3589	CAMO-10-22837	RAD	GELC	7/6/2010	MCOI-6	686
10-3589	CAMO-10-22837	VOA	GELC	7/6/2010	MCOI-6	686
10-3589	CAMO-10-22838	GENINORG	GELC	7/6/2010	MCOI-6	686
10-3589	CAMO-10-22838	METALS	GELC	7/6/2010	MCOI-6	686

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3589	CAMO-10-22839	VOA	GELC	7/6/2010	MCOI-6	686
10-3599	CAMO-10-22812	VOA	GELC	7/7/2010	MCO-6	27
10-3599	CAMO-10-22814	GENINORG	GELC	7/7/2010	MCO-6	27
10-3599	CAMO-10-22814	SVOA	GELC	7/7/2010	MCO-6	27
10-3599	CAMO-10-22814	VOA	GELC	7/7/2010	MCO-6	27
10-3599	CAMO-10-22815	VOA	GELC	7/7/2010	MCO-7	39
10-3599	CAMO-10-22816	GENINORG	GELC	7/7/2010	MCO-7	39
10-3599	CAMO-10-22816	SVOA	GELC	7/7/2010	MCO-7	39
10-3599	CAMO-10-22816	VOA	GELC	7/7/2010	MCO-7	39
10-3600	CAMO-10-22813	GENINORG	GELC	7/7/2010	MCO-6	27
10-3600	CAMO-10-22813	METALS	GELC	7/7/2010	MCO-6	27
10-3600	CAMO-10-22814	GENINORG	GELC	7/7/2010	MCO-6	27
10-3600	CAMO-10-22814	METALS	GELC	7/7/2010	MCO-6	27
10-3600	CAMO-10-22816	GENINORG	GELC	7/7/2010	MCO-7	39
10-3600	CAMO-10-22816	METALS	GELC	7/7/2010	MCO-7	39
10-3600	CAMO-10-22817	GENINORG	GELC	7/7/2010	MCO-7	39
10-3600	CAMO-10-22817	METALS	GELC	7/7/2010	MCO-7	39
10-3601	CAMO-10-22814	RAD	GELC	7/7/2010	MCO-6	27
10-3601	CAMO-10-22816	RAD	GELC	7/7/2010	MCO-7	39
10-3604	CAMO-10-22832	GENINORG	GELC	7/7/2010	MCOI-4	499
10-3604	CAMO-10-22832	VOA	GELC	7/7/2010	MCOI-4	499
10-3604	CAMO-10-22833	VOA	GELC	7/7/2010	MCOI-4	499
10-3604	CAMO-10-22835	VOA	GELC	7/7/2010	MCOI-5	689
10-3604	CAMO-10-22836	GENINORG	GELC	7/7/2010	MCOI-5	689
10-3604	CAMO-10-22836	VOA	GELC	7/7/2010	MCOI-5	689
10-3605	CAMO-10-22831	GENINORG	GELC	7/7/2010	MCOI-4	499
10-3605	CAMO-10-22831	METALS	GELC	7/7/2010	MCOI-4	499
10-3605	CAMO-10-22832	GENINORG	GELC	7/7/2010	MCOI-4	499
10-3605	CAMO-10-22832	METALS	GELC	7/7/2010	MCOI-4	499
10-3605	CAMO-10-22832	RAD	GELC	7/7/2010	MCOI-4	499
10-3605	CAMO-10-22834	GENINORG	GELC	7/7/2010	MCOI-5	689
10-3605	CAMO-10-22834	METALS	GELC	7/7/2010	MCOI-5	689
10-3605	CAMO-10-22836	GENINORG	GELC	7/7/2010	MCOI-5	689
10-3605	CAMO-10-22836	METALS	GELC	7/7/2010	MCOI-5	689
10-3605	CAMO-10-22836	RAD	GELC	7/7/2010	MCOI-5	689
10-3618	CAMO-10-22818	GENINORG	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22818	SVOA	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22818	VOA	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22820	VOA	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22822	SVOA	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22822	VOA	GELC	7/8/2010	MCO-7.5	35

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3618	CAMO-10-22823	GENINORG	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22823	SVOA	GELC	7/8/2010	MCO-7.5	35
10-3618	CAMO-10-22823	VOA	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22818	GENINORG	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22818	METALS	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22818	RAD	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22819	GENINORG	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22819	METALS	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22821	GENINORG	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22821	METALS	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22823	GENINORG	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22823	METALS	GELC	7/8/2010	MCO-7.5	35
10-3619	CAMO-10-22823	RAD	GELC	7/8/2010	MCO-7.5	35
10-3631	CAMO-10-22760	VOA	GELC	7/9/2010	M-1W	— <sup>g</sup>
10-3631	CAMO-10-22761	GENINORG	GELC	7/9/2010	M-1W	—
10-3631	CAMO-10-22761	SVOA	GELC	7/9/2010	M-1W	—
10-3631	CAMO-10-22761	VOA	GELC	7/9/2010	M-1W	—
10-3631	CAMO-10-22825	VOA	GELC	7/9/2010	MT-3	44
10-3631	CAMO-10-22826	SVOA	GELC	7/9/2010	MT-3	44
10-3631	CAMO-10-22826	VOA	GELC	7/9/2010	MT-3	44
10-3632	CAMO-10-22759	GENINORG	GELC	7/9/2010	M-1W	—
10-3632	CAMO-10-22759	METALS	GELC	7/9/2010	M-1W	—
10-3632	CAMO-10-22761	GENINORG	GELC	7/9/2010	M-1W	—
10-3632	CAMO-10-22761	METALS	GELC	7/9/2010	M-1W	—
10-3632	CAMO-10-22761	RAD	GELC	7/9/2010	M-1W	—
10-3632	CAMO-10-22824	GENINORG	GELC	7/9/2010	MT-3	44
10-3632	CAMO-10-22824	METALS	GELC	7/9/2010	MT-3	44
10-3632	CAMO-10-22826	GENINORG	GELC	7/9/2010	MT-3	44
10-3632	CAMO-10-22826	METALS	GELC	7/9/2010	MT-3	44
10-3632	CAMO-10-22826	RAD	GELC	7/9/2010	MT-3	44
10-3635	CAMO-10-22882	VOA	GELC	7/9/2010	R-33	995.5
10-3635	CAMO-10-22883	GENINORG	GELC	7/9/2010	R-33	995.5
10-3635	CAMO-10-22883	VOA	GELC	7/9/2010	R-33	995.5
10-3635	CAMO-10-22885	GENINORG	GELC	7/9/2010	R-33	1112.4
10-3635	CAMO-10-22885	VOA	GELC	7/9/2010	R-33	1112.4
10-3635	CAMO-10-22886	VOA	GELC	7/9/2010	R-33	1112.4
10-3636	CAMO-10-22883	GENINORG	GELC	7/9/2010	R-33	995.5
10-3636	CAMO-10-22883	METALS	GELC	7/9/2010	R-33	995.5
10-3636	CAMO-10-22883	RAD	GELC	7/9/2010	R-33	995.5
10-3636	CAMO-10-22884	GENINORG	GELC	7/9/2010	R-33	995.5
10-3636	CAMO-10-22884	METALS	GELC	7/9/2010	R-33	995.5

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3636	CAMO-10-22885	GENINORG	GELC	7/9/2010	R-33	1112.4
10-3636	CAMO-10-22885	METALS	GELC	7/9/2010	R-33	1112.4
10-3636	CAMO-10-22885	RAD	GELC	7/9/2010	R-33	1112.4
10-3636	CAMO-10-22887	GENINORG	GELC	7/9/2010	R-33	1112.4
10-3636	CAMO-10-22887	METALS	GELC	7/9/2010	R-33	1112.4
10-3655	CAMO-10-22896	HEXP	STSL	7/12/2010	R-16	863.4
10-3655	CAMO-10-22899	HEXP	STSL	7/12/2010	R-16	1237
10-3656	CAMO-10-22895	VOA	GELC	7/12/2010	R-16	863.4
10-3656	CAMO-10-22896	GENINORG	GELC	7/12/2010	R-16	863.4
10-3656	CAMO-10-22896	HEXP	GELC	7/12/2010	R-16	863.4
10-3656	CAMO-10-22896	PEST/PCB	GELC	7/12/2010	R-16	863.4
10-3656	CAMO-10-22896	SVOA	GELC	7/12/2010	R-16	863.4
10-3656	CAMO-10-22896	VOA	GELC	7/12/2010	R-16	863.4
10-3656	CAMO-10-22897	VOA	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22899	GENINORG	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22899	HEXP	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22899	PEST/PCB	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22899	SVOA	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22899	VOA	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22900	SVOA	GELC	7/12/2010	R-16	1237
10-3656	CAMO-10-22900	VOA	GELC	7/12/2010	R-16	1237
10-3657	CAMO-10-22894	GENINORG	GELC	7/12/2010	R-16	863.4
10-3657	CAMO-10-22894	METALS	GELC	7/12/2010	R-16	863.4
10-3657	CAMO-10-22896	GENINORG	GELC	7/12/2010	R-16	863.4
10-3657	CAMO-10-22896	METALS	GELC	7/12/2010	R-16	863.4
10-3657	CAMO-10-22896	RAD	GELC	7/12/2010	R-16	863.4
10-3657	CAMO-10-22898	GENINORG	GELC	7/12/2010	R-16	1237
10-3657	CAMO-10-22898	METALS	GELC	7/12/2010	R-16	1237
10-3657	CAMO-10-22899	GENINORG	GELC	7/12/2010	R-16	1237
10-3657	CAMO-10-22899	METALS	GELC	7/12/2010	R-16	1237
10-3657	CAMO-10-22899	RAD	GELC	7/12/2010	R-16	1237
10-3666	CAMO-10-22847	VOA	GELC	7/13/2010	R-13	958.3
10-3666	CAMO-10-22848	GENINORG	GELC	7/13/2010	R-13	958.3
10-3666	CAMO-10-22848	SVOA	GELC	7/13/2010	R-13	958.3
10-3666	CAMO-10-22848	VOA	GELC	7/13/2010	R-13	958.3
10-3666	CAMO-10-22891	GENINORG	GELC	7/13/2010	R-42	931.8
10-3666	CAMO-10-22891	VOA	GELC	7/13/2010	R-42	931.8
10-3666	CAMO-10-22892	VOA	GELC	7/13/2010	R-42	931.8
10-3667	CAMO-10-22846	GENINORG	GELC	7/13/2010	R-13	958.3
10-3667	CAMO-10-22846	METALS	GELC	7/13/2010	R-13	958.3
10-3667	CAMO-10-22848	GENINORG	GELC	7/13/2010	R-13	958.3



Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3667	CAMO-10-22848	METALS	GELC	7/13/2010	R-13	958.3
10-3667	CAMO-10-22848	RAD	GELC	7/13/2010	R-13	958.3
10-3667	CAMO-10-22891	GENINORG	GELC	7/13/2010	R-42	931.8
10-3667	CAMO-10-22891	METALS	GELC	7/13/2010	R-42	931.8
10-3667	CAMO-10-22891	RAD	GELC	7/13/2010	R-42	931.8
10-3667	CAMO-10-22893	GENINORG	GELC	7/13/2010	R-42	931.8
10-3667	CAMO-10-22893	METALS	GELC	7/13/2010	R-42	931.8
10-3684	CAMO-10-22843	GENINORG	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22843	METALS	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22844	GENINORG	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22844	METALS	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22844	RAD	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22844	SVOA	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22844	VOA	GELC	7/13/2010	R-1	1031.1
10-3684	CAMO-10-22845	VOA	GELC	7/13/2010	R-1	1031.1
10-3685	CAMO-10-22761	DIOX/FUR	CFA	7/9/2010	M-1W	—
10-3685	CAMO-10-22896	DIOX/FUR	CFA	7/12/2010	R-16	863.4
10-3685	CAMO-10-22899	DIOX/FUR	CFA	7/12/2010	R-16	1237
10-3697	CAMO-10-22857	GENINORG	GELC	7/14/2010	R-15	958.6
10-3697	CAMO-10-22857	VOA	GELC	7/14/2010	R-15	958.6
10-3697	CAMO-10-22858	VOA	GELC	7/14/2010	R-28	934.3
10-3697	CAMO-10-22860	GENINORG	GELC	7/14/2010	R-28	934.3
10-3697	CAMO-10-22860	SVOA	GELC	7/14/2010	R-28	934.3
10-3697	CAMO-10-22860	VOA	GELC	7/14/2010	R-28	934.3
10-3698	CAMO-10-22856	GENINORG	GELC	7/14/2010	R-15	958.6
10-3698	CAMO-10-22856	METALS	GELC	7/14/2010	R-15	958.6
10-3698	CAMO-10-22857	GENINORG	GELC	7/14/2010	R-15	958.6
10-3698	CAMO-10-22857	METALS	GELC	7/14/2010	R-15	958.6
10-3698	CAMO-10-22857	RAD	GELC	7/14/2010	R-15	958.6
10-3698	CAMO-10-22859	GENINORG	GELC	7/14/2010	R-28	934.3
10-3698	CAMO-10-22859	METALS	GELC	7/14/2010	R-28	934.3
10-3698	CAMO-10-22860	GENINORG	GELC	7/14/2010	R-28	934.3
10-3698	CAMO-10-22860	METALS	GELC	7/14/2010	R-28	934.3
10-3698	CAMO-10-22860	RAD	GELC	7/14/2010	R-28	934.3
10-3702	CAMO-10-22865	VOA	GELC	7/14/2010	R-44	895
10-3702	CAMO-10-22866	GENINORG	GELC	7/14/2010	R-44	895
10-3702	CAMO-10-22866	SVOA	GELC	7/14/2010	R-44	895
10-3702	CAMO-10-22866	VOA	GELC	7/14/2010	R-44	895
10-3702	CAMO-10-22867	VOA	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22868	GENINORG	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22868	SVOA	GELC	7/14/2010	R-44	985.3

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3702	CAMO-10-22868	VOA	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22871	GENINORG	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22871	SVOA	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22871	VOA	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22872	SVOA	GELC	7/14/2010	R-44	985.3
10-3702	CAMO-10-22872	VOA	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22864	GENINORG	GELC	7/14/2010	R-44	895
10-3703	CAMO-10-22864	METALS	GELC	7/14/2010	R-44	895
10-3703	CAMO-10-22866	GENINORG	GELC	7/14/2010	R-44	895
10-3703	CAMO-10-22866	METALS	GELC	7/14/2010	R-44	895
10-3703	CAMO-10-22866	RAD	GELC	7/14/2010	R-44	895
10-3703	CAMO-10-22868	GENINORG	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22868	METALS	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22868	RAD	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22869	GENINORG	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22869	METALS	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22870	GENINORG	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22870	METALS	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22871	GENINORG	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22871	METALS	GELC	7/14/2010	R-44	985.3
10-3703	CAMO-10-22871	RAD	GELC	7/14/2010	R-44	985.3
10-3711	CAMO-10-22861	GENINORG	GELC	7/15/2010	R-16r	600
10-3711	CAMO-10-22861	SVOA	GELC	7/15/2010	R-16r	600
10-3711	CAMO-10-22861	VOA	GELC	7/15/2010	R-16r	600
10-3711	CAMO-10-22862	VOA	GELC	7/15/2010	R-16r	600
10-3712	CAMO-10-22861	GENINORG	GELC	7/15/2010	R-16r	600
10-3712	CAMO-10-22861	METALS	GELC	7/15/2010	R-16r	600
10-3712	CAMO-10-22861	RAD	GELC	7/15/2010	R-16r	600
10-3712	CAMO-10-22863	GENINORG	GELC	7/15/2010	R-16r	600
10-3712	CAMO-10-22863	METALS	GELC	7/15/2010	R-16r	600

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

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

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

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

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

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

**F-2 SANDIA WATERSHED**

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3610	CASA-10-22660	GENINORG <sup>a</sup>	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22660	METALS	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22660	RAD <sup>b</sup>	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22660	SVOA <sup>c</sup>	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22660	VOA <sup>d</sup>	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22661	VOA	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22662	GENINORG	GELC	7/7/2010	R-35a	1013.1
10-3610	CASA-10-22662	METALS	GELC	7/7/2010	R-35a	1013.1
10-3621	CASA-10-22657	RAD	GELC	7/8/2010	R-11	855
10-3621	CASA-10-22657	SVOA	GELC	7/8/2010	R-11	855
10-3621	CASA-10-22657	VOA	GELC	7/8/2010	R-11	855
10-3621	CASA-10-22659	VOA	GELC	7/8/2010	R-11	855
10-3622	CASA-10-22657	GENINORG	GELC	7/8/2010	R-11	855
10-3622	CASA-10-22657	METALS	GELC	7/8/2010	R-11	855
10-3622	CASA-10-22658	GENINORG	GELC	7/8/2010	R-11	855
10-3622	CASA-10-22658	METALS	GELC	7/8/2010	R-11	855
10-3643	CASA-10-22577	HEXP <sup>e</sup>	STSL	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22569	SVOA	GELC	7/12/2010	Sandia right fork at Power Plant	—
10-3644	CASA-10-22569	VOA	GELC	7/12/2010	Sandia right fork at Power Plant	—
10-3644	CASA-10-22570	VOA	GELC	7/12/2010	Sandia right fork at Power Plant	—
10-3644	CASA-10-22571	VOA	GELC	7/12/2010	South Fork of Sandia Canyon at E122	—
10-3644	CASA-10-22572	SVOA	GELC	7/12/2010	South Fork of Sandia Canyon at E122	—
10-3644	CASA-10-22572	VOA	GELC	7/12/2010	South Fork of Sandia Canyon at E122	—
10-3644	CASA-10-22573	SVOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22573	VOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22574	VOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22575	SVOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22575	VOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22576	SVOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22576	VOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22577	GENINORG	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22577	HEXP	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22577	PEST/PCB <sup>f</sup>	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22577	SVOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3644	CASA-10-22577	VOA	GELC	7/12/2010	Sandia below Wetlands	—
10-3645	CASA-10-22577	GENINORG	GELC	7/12/2010	Sandia below Wetlands	—
10-3645	CASA-10-22577	METALS	GELC	7/12/2010	Sandia below Wetlands	—
10-3646	CASA-10-22569	RAD	GELC	7/12/2010	Sandia right fork at Power Plant	—

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3646	CASA-10-22572	RAD	GELC	7/12/2010	South Fork of Sandia Canyon at E122	—
10-3646	CASA-10-22573	RAD	GELC	7/12/2010	Sandia below Wetlands	—
10-3646	CASA-10-22575	RAD	GELC	7/12/2010	Sandia below Wetlands	—
10-3646	CASA-10-22577	RAD	GELC	7/12/2010	Sandia below Wetlands	—
10-3649	CASA-10-22644	VOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22645	SVOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22645	VOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22646	GENINORG	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22646	SVOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22646	VOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22648	GENINORG	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22648	SVOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22648	VOA	GELC	7/12/2010	SCI-1	358.4
10-3649	CASA-10-22702	GENINORG	GELC	7/12/2010	R-36	766.9
10-3649	CASA-10-22702	SVOA	GELC	7/12/2010	R-36	766.9
10-3649	CASA-10-22702	VOA	GELC	7/12/2010	R-36	766.9
10-3649	CASA-10-22704	VOA	GELC	7/12/2010	R-36	766.9
10-3650	CASA-10-22646	GENINORG	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22646	METALS	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22647	GENINORG	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22647	METALS	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22648	GENINORG	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22648	METALS	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22649	GENINORG	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22649	METALS	GELC	7/12/2010	SCI-1	358.4
10-3650	CASA-10-22702	GENINORG	GELC	7/12/2010	R-36	766.9
10-3650	CASA-10-22702	METALS	GELC	7/12/2010	R-36	766.9
10-3650	CASA-10-22703	GENINORG	GELC	7/12/2010	R-36	766.9
10-3650	CASA-10-22703	METALS	GELC	7/12/2010	R-36	766.9
10-3651	CASA-10-22646	RAD	GELC	7/12/2010	SCI-1	358.4
10-3651	CASA-10-22648	RAD	GELC	7/12/2010	SCI-1	358.4
10-3651	CASA-10-22702	RAD	GELC	7/12/2010	R-36	766.9
10-3678	CASA-10-22663	GENINORG	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22663	SVOA	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22663	VOA	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22665	VOA	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22690	GENINORG	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22690	SVOA	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22690	VOA	GELC	7/13/2010	R-35b	825.4

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3678	CASA-10-22692	SVOA	GELC	7/13/2010	R-35b	825.4
10-3678	CASA-10-22692	VOA	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22663	GENINORG	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22663	METALS	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22663	RAD	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22664	GENINORG	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22664	METALS	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22690	GENINORG	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22690	METALS	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22690	RAD	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22691	GENINORG	GELC	7/13/2010	R-35b	825.4
10-3679	CASA-10-22691	METALS	GELC	7/13/2010	R-35b	825.4
10-3680	CASA-10-22577	DIOX/FUR	CFA	7/12/2010	Sandia below Wetlands	—
10-3716	CASA-10-22650	GENINORG	GELC	7/15/2010	SCI-2	548
10-3716	CASA-10-22650	SVOA	GELC	7/15/2010	SCI-2	548
10-3716	CASA-10-22650	VOA	GELC	7/15/2010	SCI-2	548
10-3716	CASA-10-22652	VOA	GELC	7/15/2010	SCI-2	548
10-3716	CASA-10-22705	GENINORG	GELC	7/15/2010	R-43	903.9
10-3716	CASA-10-22705	SVOA	GELC	7/15/2010	R-43	903.9
10-3716	CASA-10-22705	VOA	GELC	7/15/2010	R-43	903.9
10-3716	CASA-10-22709	GENINORG	GELC	7/15/2010	R-43	969.1
10-3716	CASA-10-22709	SVOA	GELC	7/15/2010	R-43	969.1
10-3716	CASA-10-22709	VOA	GELC	7/15/2010	R-43	969.1
10-3717	CASA-10-22650	GENINORG	GELC	7/15/2010	SCI-2	548
10-3717	CASA-10-22650	METALS	GELC	7/15/2010	SCI-2	548
10-3717	CASA-10-22651	GENINORG	GELC	7/15/2010	SCI-2	548
10-3717	CASA-10-22651	METALS	GELC	7/15/2010	SCI-2	548
10-3717	CASA-10-22705	GENINORG	GELC	7/15/2010	R-43	903.9
10-3717	CASA-10-22705	METALS	GELC	7/15/2010	R-43	903.9
10-3717	CASA-10-22706	GENINORG	GELC	7/15/2010	R-43	903.9
10-3717	CASA-10-22706	METALS	GELC	7/15/2010	R-43	903.9
10-3717	CASA-10-22709	GENINORG	GELC	7/15/2010	R-43	969.1
10-3717	CASA-10-22709	METALS	GELC	7/15/2010	R-43	969.1
10-3717	CASA-10-22710	GENINORG	GELC	7/15/2010	R-43	969.1

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3717	CASA-10-22710	METALS	GELC	7/15/2010	R-43	969.1
10-3718	CASA-10-22650	RAD	GELC	7/15/2010	SCI-2	548
10-3718	CASA-10-22705	RAD	GELC	7/15/2010	R-43	903.9
10-3718	CASA-10-22709	RAD	GELC	7/15/2010	R-43	969.1

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

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

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

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

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

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

<sup>g</sup> — = Not applicable.