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Periodic Monitoring Report for Mortandad and Sandia Watersheds, August 3–August 19, 2009

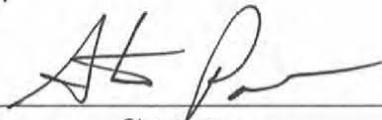
Prepared by the Environmental Programs Directorate

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Periodic Monitoring Report for Mortandad and Sandia Watersheds August 3–August 19, 2009

March 2010

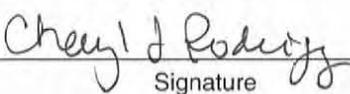
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EXECUTIVE SUMMARY

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

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

The PMEs documented in this report occurred from August 3 to August 19, 2009, and included the sampling of base-flow stations and groundwater wells and well ports. There were no unreported surface water and groundwater results from the Sandia Watershed above screening levels from previous monitoring events to include in this report. Bis(2-ethylhexyl)phthalate was detected in R-46 in Mortandad Canyon at a concentration of 38.2 µg/L from a previously unreported sample collected in June 2009. The U.S. Environmental Protection Agency maximum contaminant level for this compound is 6 µg/L.

Two results from surface water samples collected during this PME from Mortandad Canyon exceeded the New Mexico aquatic acute screening level. Twenty-nine results from groundwater samples collected during this PME from Mortandad Canyon exceeded screening levels.

Two results from surface water samples collected during this PME from Sandia Canyon exceeded the New Mexico aquatic chronic screening level. Three results from groundwater samples collected during this PME from Sandia Canyon exceeded screening levels. A filtered manganese value of 677 µg/L at alluvial well SCA-1-DP exceeded the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard screening level of 200 µg/L. At intermediate aquifer well SCI-2, the filtered chromium value was 510 µg/L, which exceeded the NMWQCC groundwater standard screening level of 50 µg/L. At regional aquifer well R-36, the bis(2-ethylhexyl)phthalate value of 10.7 µg/L exceeded the Environmental Protection Agency maximum contaminant level screening level of 6 µg/L.

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Acronyms and Abbreviations

amsl	above mean sea level
AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
C	cancer
Consent Order	Compliance Order on Consent
DCGs	Derived Concentration Guidelines (DOE)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
F	filtered
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
MCL	maximum contaminant level (EPA)
MDL	method detection limit
N	noncancer
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTU	nephelometric turbidity unit
PME	periodic monitoring event
PQL	practical quantitation limit
QC	quality control
RLWTF	Radioactive Liquid Waste Treatment Facility
RPF	Records Processing Facility
SOP	standard operating procedure
SWMU	solid waste management unit
TA	technical area
UF	unfiltered

1.0 INTRODUCTION

This report documents quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Mortandad and Sandia Watersheds pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2009, 106115), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring events (PMEs) occurred from August 3 to August 19, 2009, and included sampling at base-flow stations and groundwater wells and well ports.

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

This report presents the following information:

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

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

1.1 Background: Mortandad Watershed

Mortandad Watershed is an east-to-southeast trending drainage that heads on the Pajarito Plateau near the main Laboratory complex at Technical Area 03 (TA-03) at an elevation of 7380 ft (2249 m). The drainage extends about 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 mi² (25.9 km²). 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 TAs located in the Mortandad Watershed include TA-03, TA-04, TA-05, TA-18, TA-35, TA-42, TA-46, TA-48, TA-50, TA-51, TA-52, TA-54, TA-55, and TA-59. The primary sources of contamination in this watershed are attributed to past releases of contaminants from outfalls and spills at TA-35 and TA-50, including the Radioactive Liquid Waste Treatment Facility (RLWTF) at TA-50. Metals and volatile organic compounds have historically been released into the canyon. Nitrate, perchlorate, fluoride, molybdenum, and radionuclides are some of the contaminants that have been detected in

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

1.2 Background: Sandia Watershed

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

The area of the Sandia Watershed is approximately 5.5 mi² (14.2 km²). 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 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.

TAs 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 TAs. The SWMUs and AOCs include industrial outfalls and open-detonation firing sites.

2.0 SCOPE OF ACTIVITIES

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

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PME's are documented in the 2009 IFGMP.

3.2 Field Parameter Results

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

3.3 Groundwater Elevations and Base Flow Observations

The periodic monitoring water-level data for these events and the previous three monitoring events for each watershed are presented in Appendix B. For wells equipped with transducers, the reported water level is the water-level measurement taken earliest on the day of sampling. All manual measurements are recorded immediately before sampling. The groundwater elevation measurements taken during these

PMEs and for previous sampling events are shown graphically on Plate 1. Base-flow measurements are shown on Plate 2.

3.4 Deviations from Planned Scope

Tables 3.4-1 and 3.4-2 describe the field-work deviations from the planned scope of the PMEs 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 PMEs are documented in the 2009 IFGMP. Purge water is managed and characterized in accordance with Waste Characterization Strategy Form 39268 and ENV-RCRA-SOP-010.1, Land Application of Groundwater. ENV-RCRA-SOP-010.1 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 PME's and from the three sampling events immediately before the August 2009 sampling event. The screening levels with which the results are compared are presented in Table 4.2-1. The analytical laboratory reports (including chain-of-custody forms, data validation, etc.) are provided in Appendix F.

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

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

Data for periodic monitoring reports are evaluated using the following screening process.

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

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

Tables D-1 through D-21 in Appendix D show all analytical results for perchlorate, radionuclides, and organic compounds and all values greater than half the lowest applicable screening-level values for metals and general inorganic compounds.

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

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

Figures 4.2-1 through 4.2-8 show analyte concentrations from the current PME that exceed screening levels at more than one sampling location. For example, filtered chromium was above the NMWQCC groundwater screening level at intermediate well SCI-2 and regional wells R-28 and R-42, so all available chromium values from the current PME are shown on the map in addition to the screening level exceedances which are displayed in yellow boxes. For this PME, the analytes displayed include filtered chromium, perchlorate, aluminum, iron, manganese, and unfiltered gross beta, strontium-90, and bis-2(ethylhexyl)phthalate.

4.2.1 Surface Water (Base Flow): Mortandad Watershed

No surface water results were unreported from previous monitoring.

The filtered aluminum concentration at location M-1W of 911 µg/L was above the New Mexico Aquatic Life Acute Screening level of 750 µg/L, which applies in this ephemeral reach. At M-1W, the filtered aluminum results since 2005 range from 79 µg/L to 12,500 µg/L. At location Mortandad below Effluent Canyon the filtered aluminum value was 749 µg/L, which is just below the New Mexico Aquatic Life Acute Screening level of 750 µg/L, which applies in this ephemeral reach.

The unfiltered cesium-137 activity at Mortandad below Effluent Canyon of 57.6 pCi/L was above the 40 pCi/L DOE BCG. Measurements of unfiltered cesium-137 activity since 2002 range from 17 pCi/L to 89 pCi/L.

4.2.2 Surface Water (Base Flow): Sandia Watershed

No surface water results were unreported from previous monitoring events.

The filtered copper concentration of 9.05 µg/L at location South Fork of Sandia Canyon at E122 was an estimated value. It was above the NMWQCC Aquatic Chronic Screening level of 9 µg/L, calculated at 100 mg/L of hardness, which applies in this perennial reach. A previous copper detection occurred at a lower concentration in February 2008. Copper was not detected during the other 14 sampling events since 2006.

The filtered aluminum concentration of 121 µg/L at location Sandia below Wetlands was an estimated value. It was above the NMWQCC Aquatic Chronic Screening level of 87 µg/L, which applies in this perennial reach. Many of the measurements made since 2002 were undetectable at a MDL of 68 µg/L. Detected concentrations of filtered aluminum from five previous sampling events ranged from 52 µg/L to 100 µg/L.

4.2.3 Groundwater: Mortandad Watershed

The unfiltered strontium-90 activities in samples from four alluvial wells (MCO-3, MCO-4B, MCO-5, MCO-6) were above the 8 pCi/L EPA MCL screening level. The strontium-90 activities at these wells ranged between 13.5 pCi/L and 81 pCi/L since 1999 and show no distinct trend. The unfiltered gross-beta activities for these same wells were above the 50 pCi/L EPA drinking water system screening level. The gross-beta activities at these wells ranged between 45 pCi/L and 262 pCi/L since 1999 and show no distinct trend.

At alluvial well MCO-3, the activities of unfiltered americium-241, plutonium-238, and plutonium-239/240 were above the respective DOE 4 mrem drinking water dose concentration guides of 1.2 pCi/L, 1.6 pCi/L, and 1.2 pCi/L, respectively. The previous sample analyzed for these constituents at this well was collected in 2004. The recent values are at the upper end of somewhat variable results from this well and nearby MCA-5 during the past 10 yr. The lower part of MCO-3 is exposed by bank erosion, and samples may be affected by surface water.

The perchlorate concentrations at four alluvial wells (MCO-4B, MCO-5, MCO-6, MCO-7) ranged from 7.26 µg/L to 21.9 µg/L and were above the Consent Order screening level of 4 µg/L for perchlorate. 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 or manganese results at three alluvial wells (MCO-0.6, MCO-2, MCA-1) were above the respective NMWQCC groundwater screening levels of 1000 µg/L and 200 µg/L, respectively. Most of the previous results at these locations have been above the screening levels.

The nitrate (plus nitrite as nitrogen) concentration of 11.7 mg/L in intermediate groundwater well MCOI-6 was above the 10 mg/L NMWQCC groundwater screening level. The previous concentrations at MCOI-6 have decreased from 20.4 mg/L to 11.7 mg/L since 2005. The recent value is the lowest.

Perchlorate concentrations at the three intermediate groundwater wells (MCOI-4, MCOI-5, MCOI-6) ranged from 64 µg/L to 95 µg/L, above the Consent Order perchlorate screening level of 4 µg/L. Results at MCOI-4 have decreased since 2007 to the latest value of 64.8 µg/L from earlier values of 134 µg/L to 166 µg/L measured since 2005. MCOI-5 concentrations have shown some variability since the well was first sampled in 2005 but are trending lower since 2006 from 130 µg/L to the latest value of 85 µg/L. At MCOI-6 the results have generally fluctuated between about 160 µg/L and 210 µg/L since 2005; the results in 2009 ranged from 91 µg/L to 104 µg/L.

The perchlorate concentration in regional well R-15 was 7.38 µg/L, above the Consent Order screening level of 4 µg/L. This value is the highest measured by the liquid chromatography/mass spectrometry method since 2003; a field duplicate result was 7.01 µg/L. Other values since 2003 ranged from 4.6 µg/L to 7.1 µg/L, although many were estimated.

In regional well R-28, the filtered chromium concentration was 383 µg/L, compared to the NMWQCC groundwater screening level of 50 µg/L. Over the last 4 yr the values have ranged from 310 µg/L to 468 µg/L and show no trend with time. At regional well R-42, the filtered chromium concentration was

1000 µg/L, the highest to date. The well was first sampled in October 2008, and values have ranged from 744 µg/L to 1000 µg/L.

Bis(2-ethylhexyl)phthalate was detected in R-46 during sampling events in June and August 2009. The results were 38.2 µg/L and 39.1 µg/L, above the EPA MCL of 6 µg/L. Results in field duplicates at these sampling events were 30.8 µg/L and 26.0 µg/L. These were the third and fourth samples from the well; the compound was not detected in the first sample. The highest result from a May 2009 sample was 96 µg/L.

4.2.4 Groundwater: Sandia Watershed

No unreported groundwater results from previous monitoring events were above screening levels.

The filtered manganese result of 677 µg/L at alluvial well SCA-1-DP was above the NMWQCC groundwater screening level of 200 µg/L. For eight measurements at SCA-1 since 2006, most have been above screening levels. This is the third sample from SCA-1-DP, a nearby drive-point well; all results have been above the screening level. Turbidity for the recent sample was 21 nephelometric turbidity units (NTU); the previous two values were 102 NTU and 9.2 NTU.

The filtered chromium result of 510 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater screening level of 50 µg/L. Results for five sampling events since October of 2008 ranged from 471 µg/L to 658 µg/L.

The bis(2-ethylhexyl)phthalate result of 10.7 µg/L from regional well R-36 was above the EPA MCL of 6 µg/L. Results from three earlier sampling events ranged from 59.1 µg/L to 9.3 µg/L.

4.3 Sampling Program Modifications

No modifications to the periodic monitoring sampling for the Mortandad or Sandia watersheds are proposed at this time.

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

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

5.2 Analytical Results

5.2.1 Surface Water (Base Flow): Mortandad Watershed

No surface water results were unreported from previous monitoring events.

Two results from surface water samples collected during this PME from Mortandad Canyon exceeded screening levels (Table 4.2-2). One aluminum result was near but less than the screening level.

5.2.2 Surface Water (Base Flow): Sandia Watershed

No surface water results were unreported from previous monitoring events.

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

5.2.3 Groundwater: Mortandad Watershed

Bis(2-ethylhexyl)phthalate was detected above the EPA MCL screening level in R-46 at a concentration of 38.2 µg/L from a previously unreported sample collected in June 2009.

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

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

5.2.4 Groundwater: Sandia Watershed

No groundwater results unreported from previous monitoring events were above screening levels.

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

5.3 Data Gaps

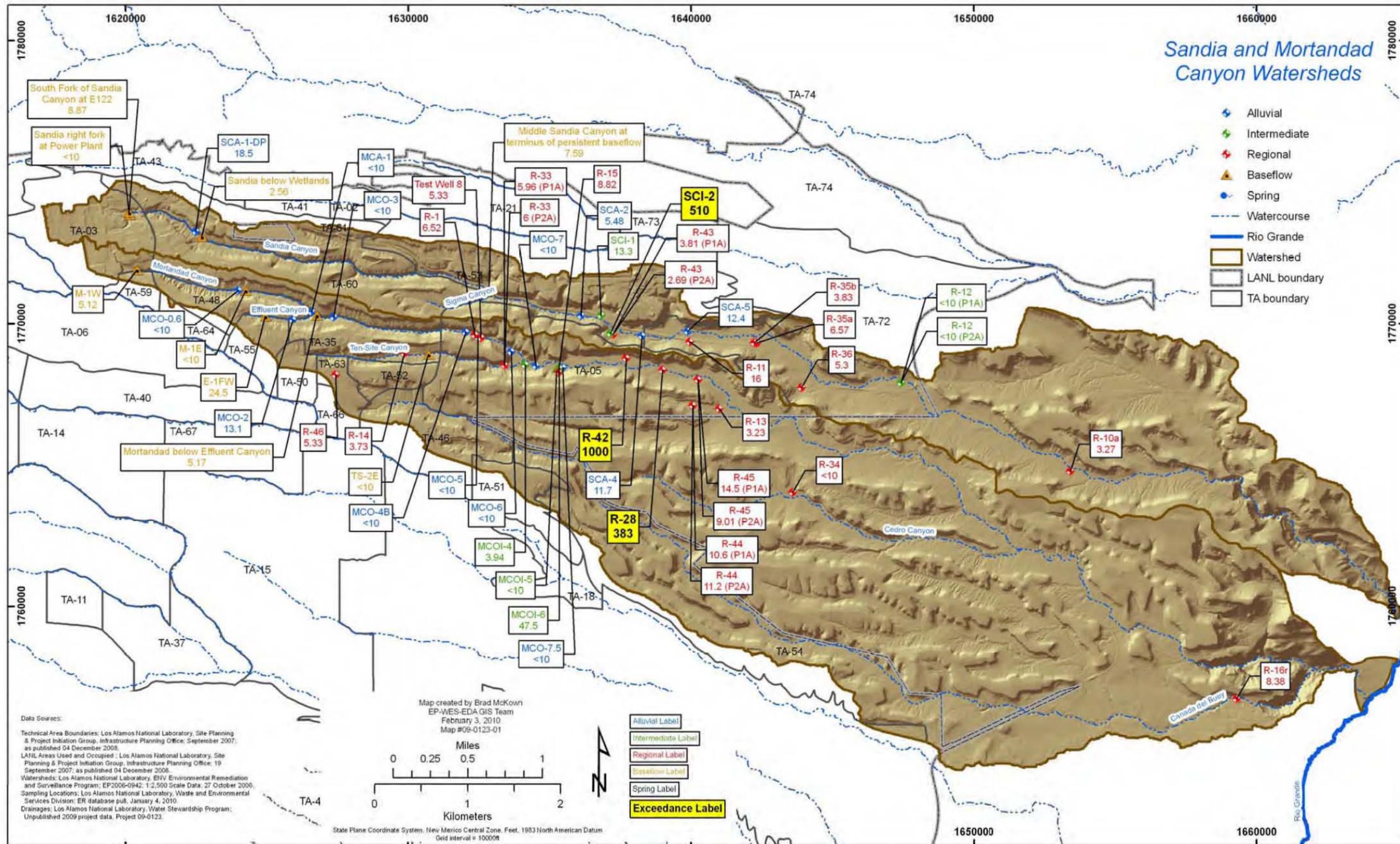
Tables 3.4-1 and 3.4-2 summarize the field parameter data gaps encountered during the PMEs. The tables also provide a detailed account of sampling-event deviations. Table 3.4-3 presents a list of analytes whose PQLs and MDLs are above the screening level. This table is applicable to all current and previous PME data.

6.0 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.

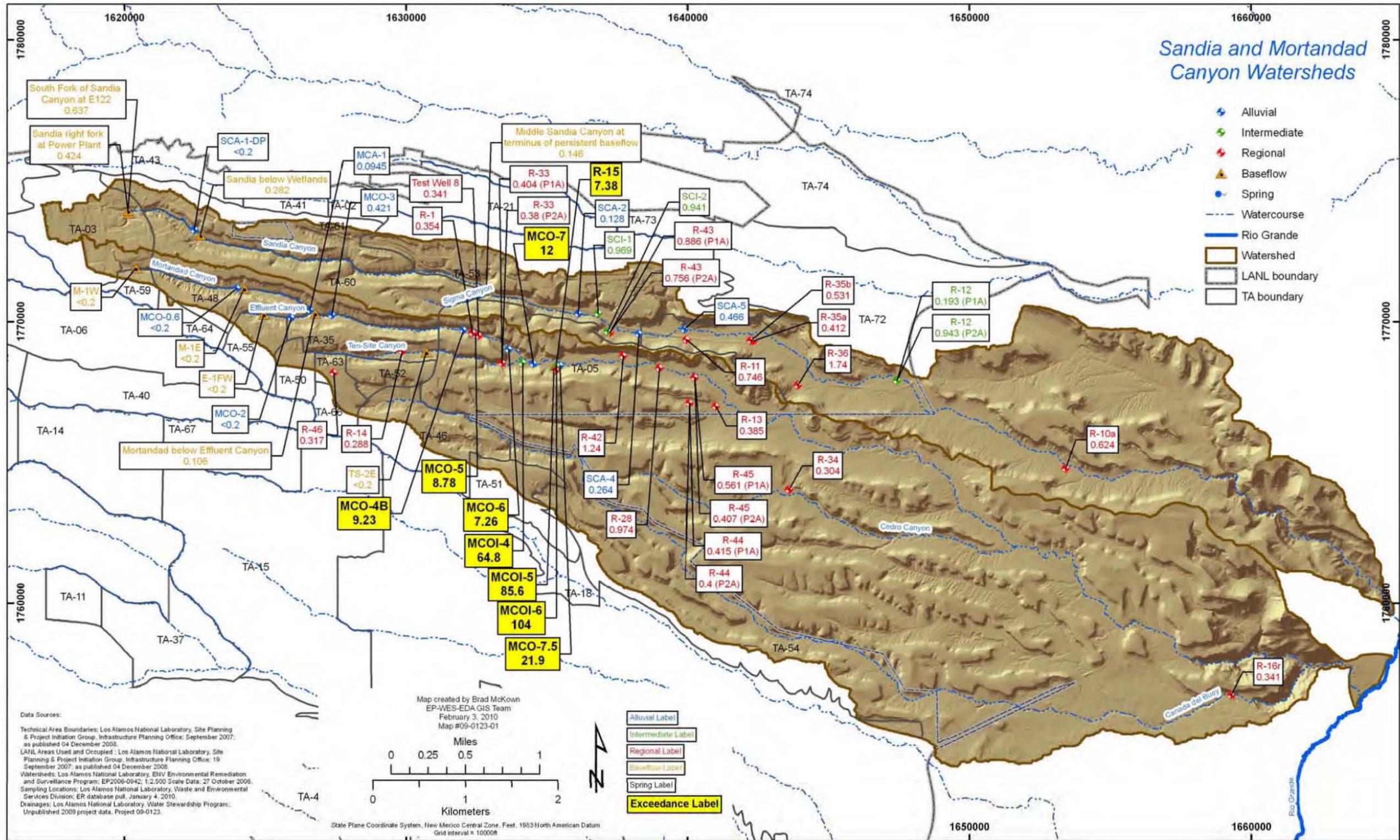
Copies of the master reference set are maintained at the NMED Hazardous Waste Bureau and the Directorate. The set was developed to ensure that the administrative authority has all material needed to review this document, and it is updated with every document submitted to the administrative authority.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

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



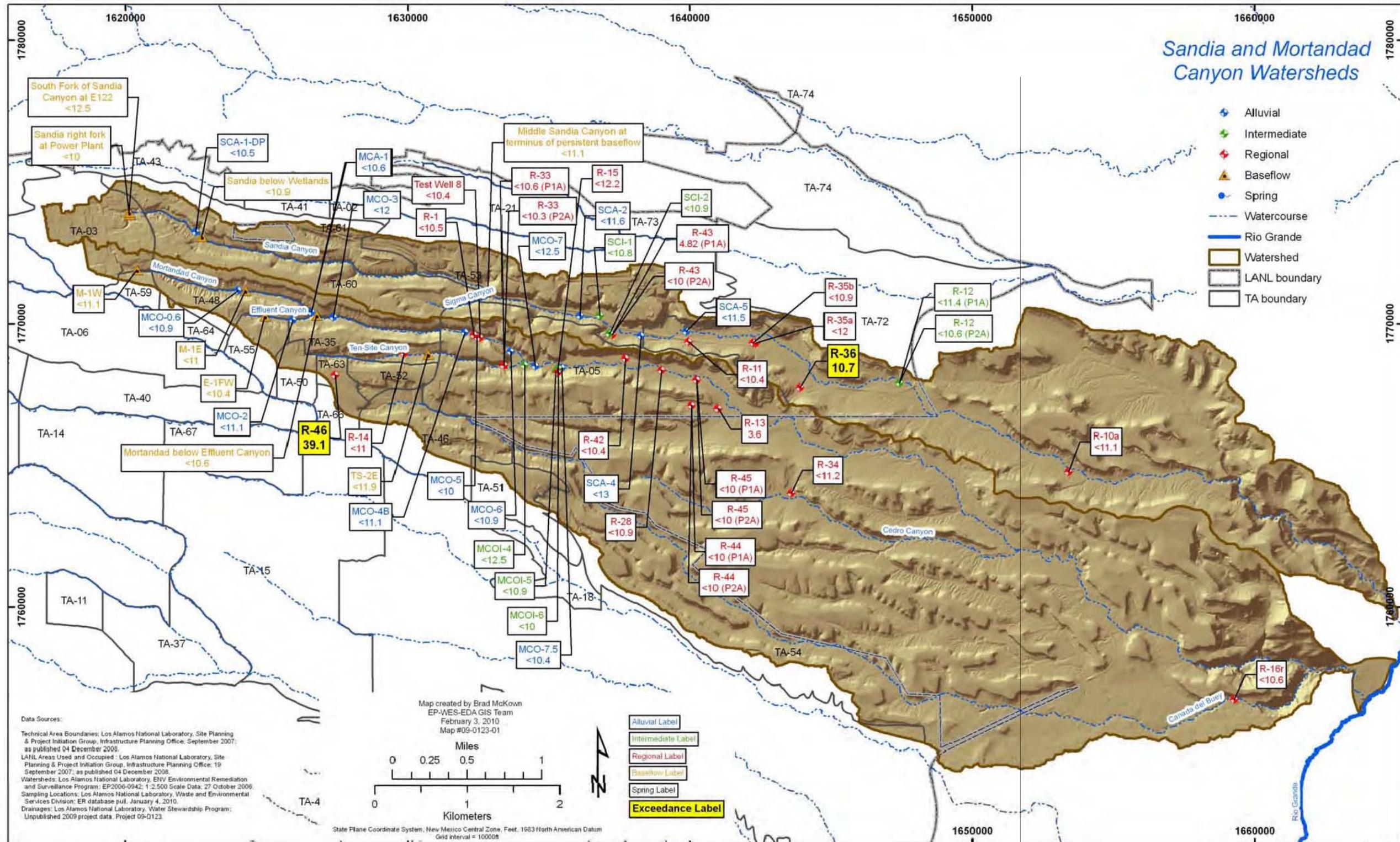
Note: NMWQCC groundwater filtered chromium screening level = 50 µg/L

Figure 4.2-1 Watershed filtered chromium concentrations in µg/L



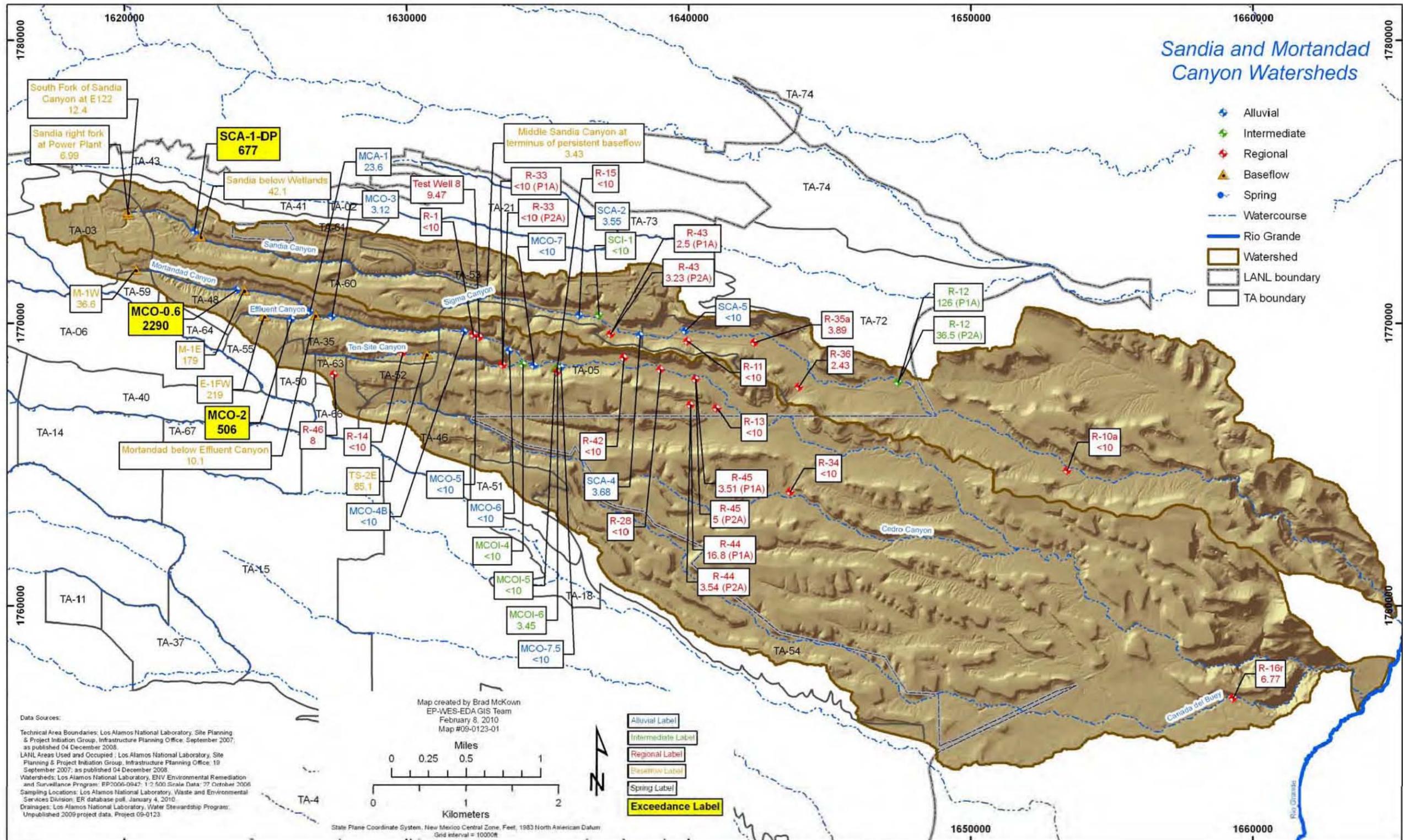
Note: Consent Order filtered perchlorate screening level = 4 µg/L.

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



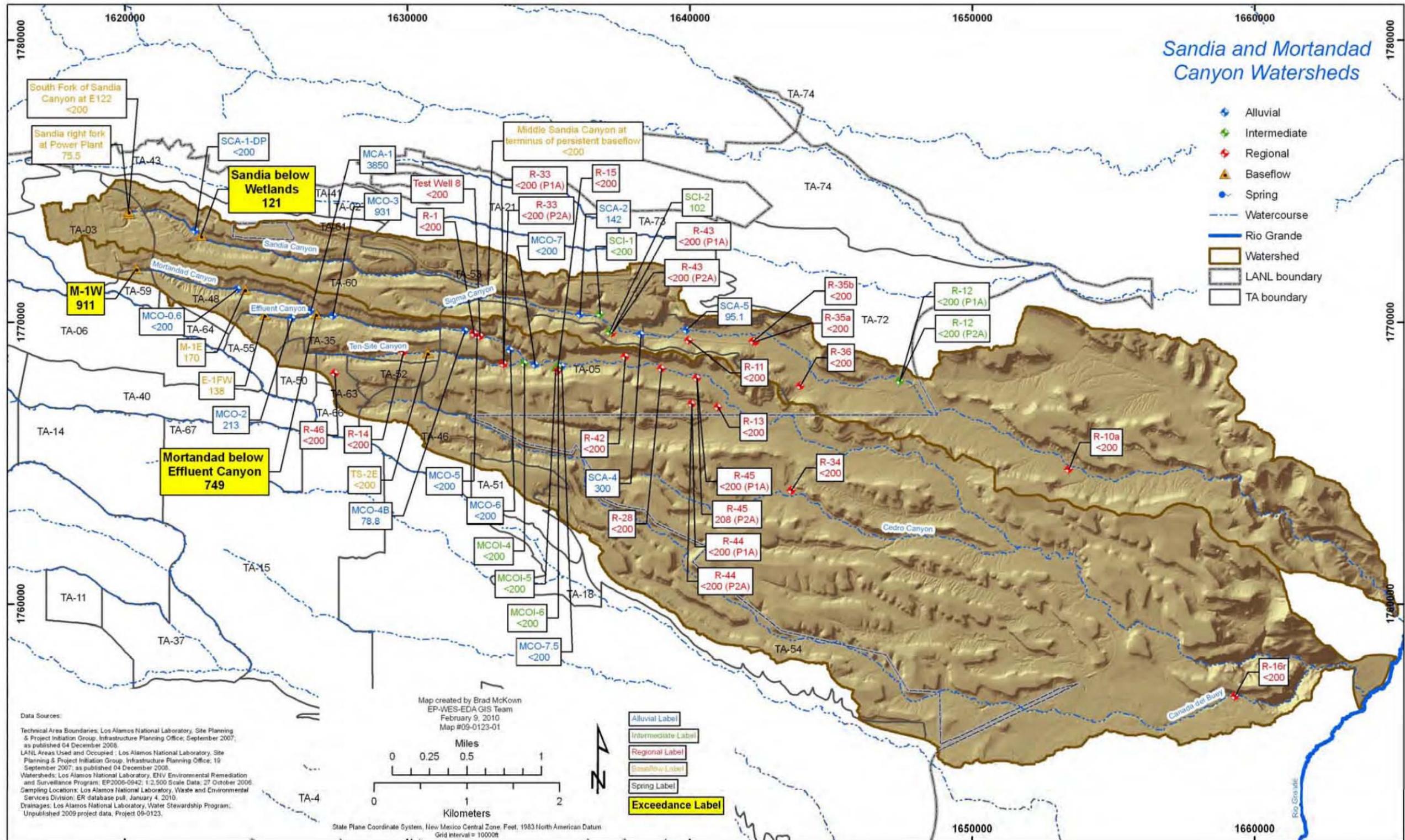
Note: EPA MCL unfiltered bis(2-ethylhexyl)phthalate screening level = 6 µg/L

Figure 4.2-3 Watershed unfiltered bis(2-ethylhexyl)phthalate concentrations in µg/L



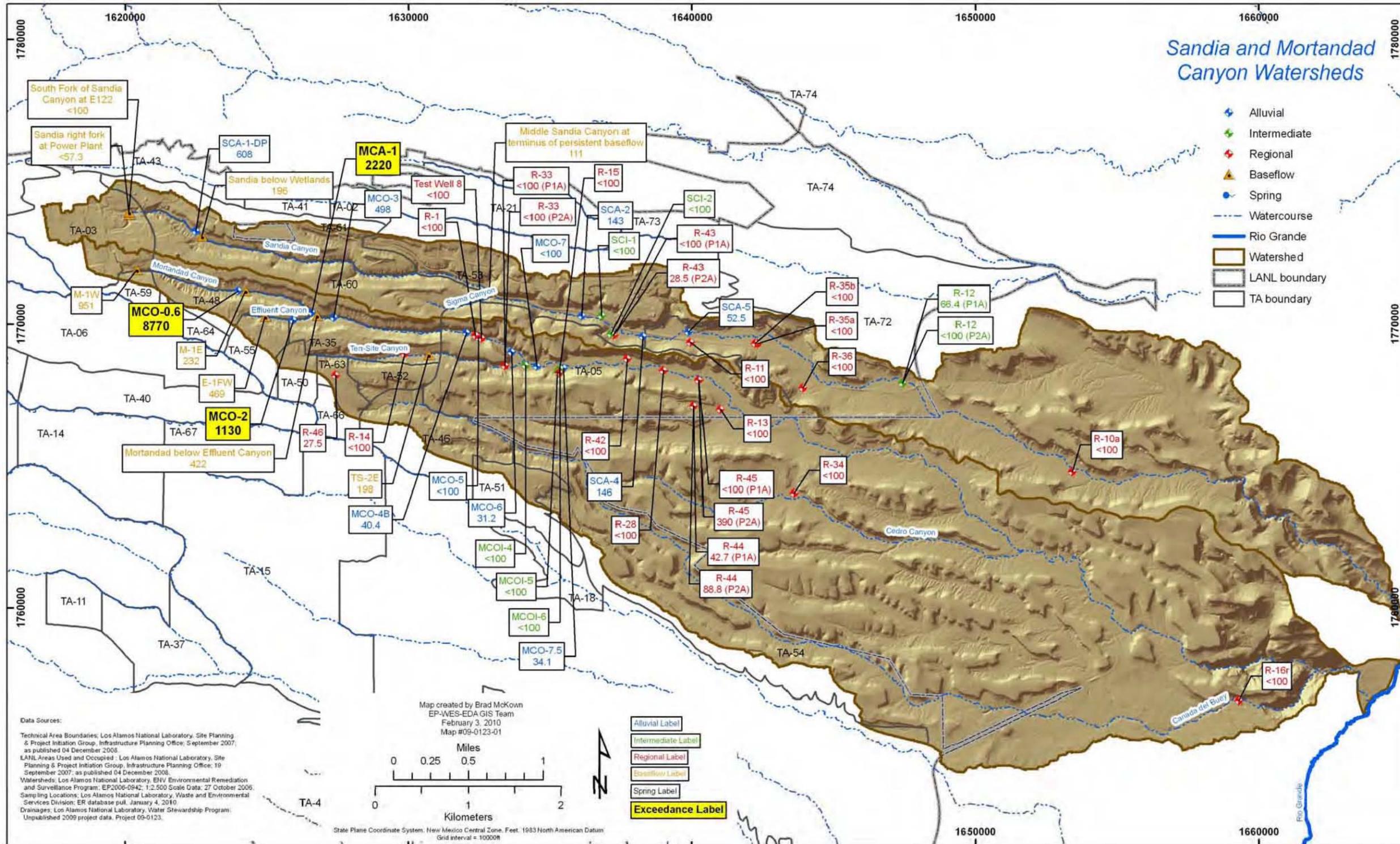
Note: NMWQCC groundwater filtered manganese screening level = 200 µg/L.

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



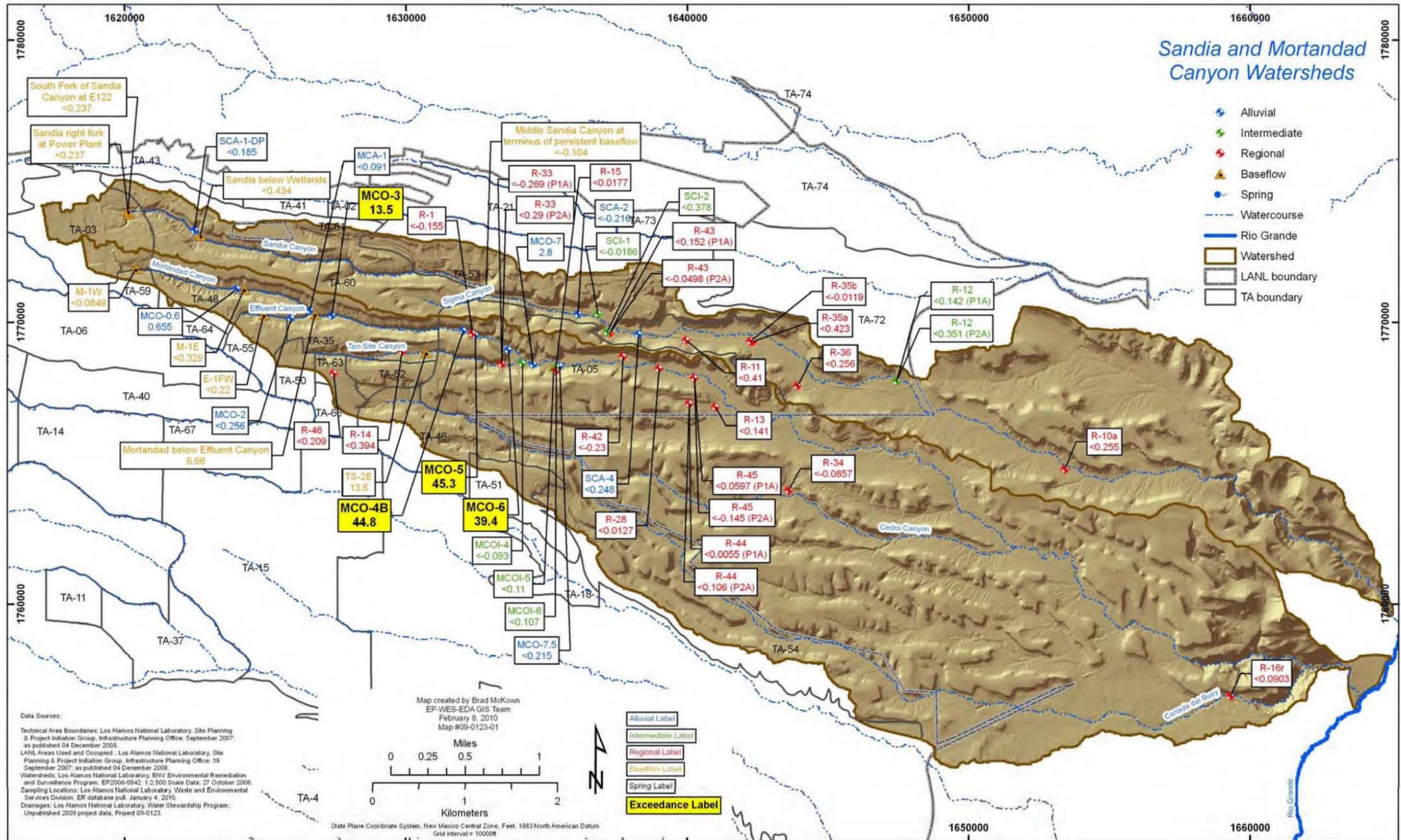
Notes: NMWQCC acute surface water filtered aluminum screening level = 750 µg/L. NMWQCC chronic surface water filtered aluminum screening level = 87 µg/L.

Figure 4.2-5 Watershed filtered aluminum concentrations in µg/L



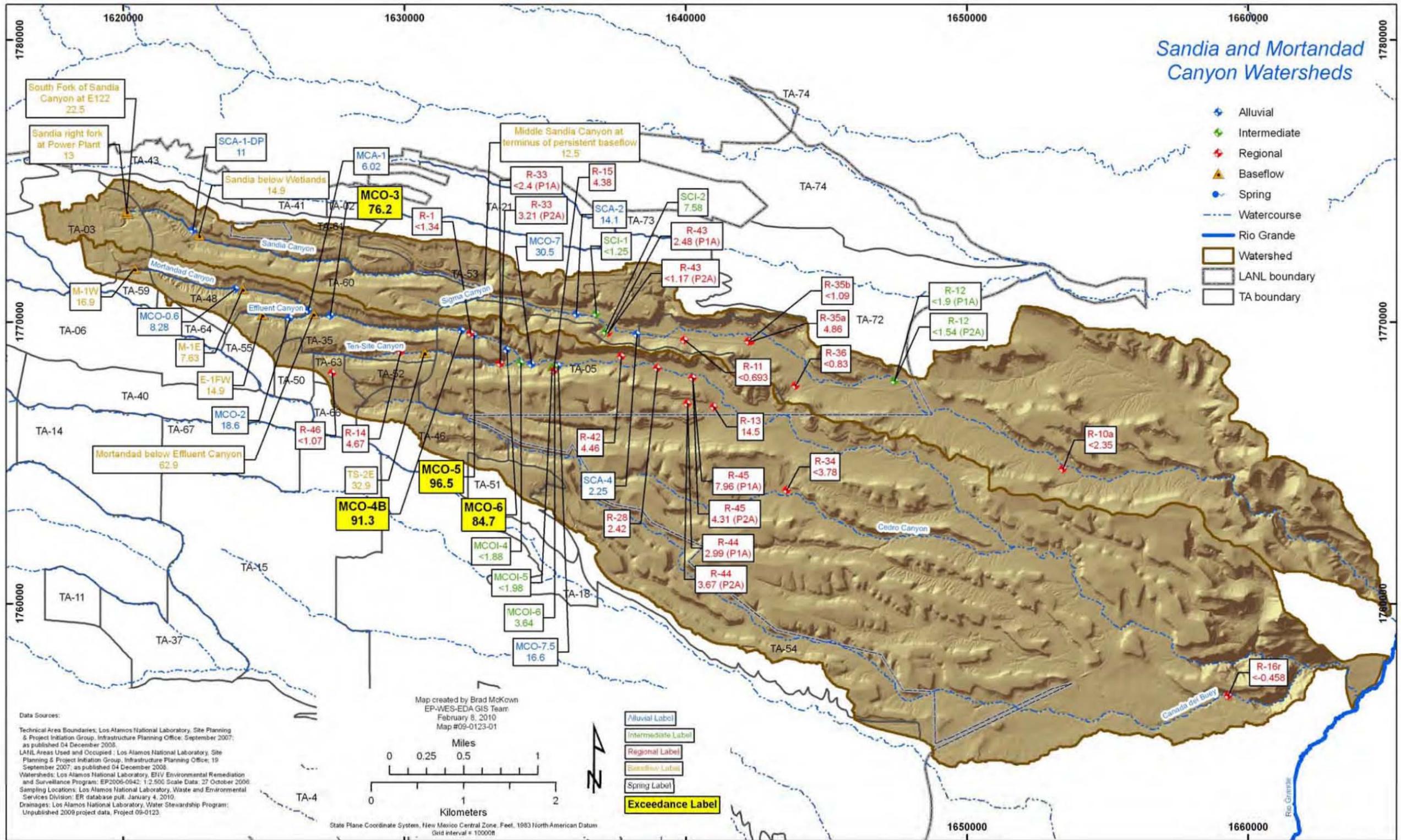
Note: NMWQCC groundwater filtered iron screening level = 1000 µg/L.

Figure 4.2-6 Watershed filtered iron concentrations in µg/L



Note: EPA MCL unfiltered strontium-90 screening level = 8 pCi/L.

Figure 4.2-7 Watershed unfiltered strontium-90 concentrations in 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 (ft ³ /s)	Water Level (ft amsl ^a)	Water-Level Method
Base Flow												
E-1FW	18-Aug-09	n/a ^b	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a
M-1E	17-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a
M-1W	17-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.00390	n/a	n/a
TS-1W	19-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dry ^c	n/a	n/a
TS-2E	19-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a
M-2E	19-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dry	n/a	n/a
Mortandad below Effluent Canyon (E200)	18-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	n/a	n/a
Alluvial Aquifer												
MCA-1	6-Aug-09	Single	5601	2.4	3	2.4	5.4	0.14	0.4	n/a	7068.14	Manual
MCA-5	7-Aug-09	Single	5631	1.75	4	1.75	5.75	n/a	n/a	n/a	Dry	n/a
MCO-0.6	6-Aug-09	Single	5641	1.05	2	1.05	3.05	0.52	1.6	n/a	7188.01	Manual
MCO-2	12-Aug-09	Single	4551	2	7	2	9	0.73	2.2	n/a	7134.06	Manual
MCO-3	12-Aug-09	Single	4561	2	10	2	12	1.1	3.3	n/a	7047.24	Manual
MCO-4B	18-Aug-09	Single	4581	8.9	20	8.9	28.9	2.25	4.5	n/a	6866.57	Manual
MCO-5	17-Aug-09	Single	4591	21	25	21	46	8.64	9.9	n/a	6853.22	Manual
MCO-6	13-Aug-09	Single	4601	27	20	27	47	4.3	4.75	n/a	6811.58	Manual
MCO-7	13-Aug-09	Single	4631	39	30	39	69	3.5	10.7	n/a	6784.17	Manual
MCO-7.5	5-Aug-09	Single	4661	35	25	35	60	4.9	14.7	n/a	6760.95	Manual
MT-3	17-Aug-09	Single	5261	44	20	44	64	n/a	n/a	n/a	Dry	n/a
TSCA-6	17-Aug-09	Single	6091	16.2	4.7	16.2	20.9	n/a	n/a	n/a	Dry	n/a

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 (ft ³ /s)	Water Level (ft amsl ^a)	Water-Level Method
Intermediate Aquifer												
MCOI-4	6-Aug-09	Single	5981	499	23.1	498.9	522	4.02	9.4	n/a	6316.37	Manual
MCOI-5	6-Aug-09	Single	5721	689	9.96	689.04	699	17.91	53.7	n/a	6138.69	Manual
MCOI-6	19-Aug-09	Single	5731	686	22.3	686	708.3	49.14	147.4	n/a	6157.39	Manual
Regional Aquifer												
R-1	13-Aug-09	Single	1701	1031.1	26.3	1031.12	1057.42	62.8	188.6	n/a	5877.81	Manual
R-13	6-Aug-09	Single	1741	958.3	60.39	958.33	1018.72	157.8	473.4	n/a	5834.69	Manual
R-14	7-Aug-09	MP1A	411	1204.5	32.6	1200.6	1233.2	109.45	328.4	n/a	5878.98	Manual
R-15	6-Aug-09	Single	1751	958.6	61.7	958.6	1020.3	48.36	145	n/a	5847.45	Manual
R-16	n/a	MP2A	541	866.1	7.5	863.4	870.9	Westbay system removed; well undergoing rehabilitation.				
R-16	n/a	MP3A	591	1018.4	7.6	1014.8	1022.4	Westbay system removed; well undergoing rehabilitation.				
R-16	n/a	MP4A	641	1238	7.6	1237	1244.6	Westbay system removed; well undergoing rehabilitation.				
R-16r	11-Aug-09	Single	6341	600	17.6	600	617.6	54.94	164.8	n/a	5692.09	Manual
R-28	13-Aug-09	Single	1781	934.3	23.8	934.3	958.1	73.2	219.6	n/a	5836.93	Manual
R-33	14-Aug-09	P1A	5491	995.5	23	995.5	1018.5	74.7	224.1	n/a	5870.12	Manual
R-33	14-Aug-09	P2A	5501	1112.4	9.9	1112.4	1122.3	93.16	279.5	n/a	5840.12	Manual
R-34	12-Aug-09	Single	1791	895.15	22.9	883.7	906.6	102.5	307.5	n/a	5833.38	Manual
R-42	14-Aug-09	Single	8591	931.8	21.1	931.8	952.9	55.2	165.6	n/a	5839.61	Manual
R-44	17-Aug-09	P1A	8671	895	10	895	905	58.26	174.8	n/a	5835.53	Manual
R-44	17-Aug-09	P2A	8681	985.3	9.9	985.3	995.2	76.19	228.6	n/a	5835.48	Manual
R-45	19-Aug-09	P1A	8721	880	10	880	890	52.7	161.3	n/a	5835.91	Manual
R-45	19-Aug-09	P2A	8731	974.9	20	974.9	994.9	91.8	275.4	n/a	5835.28	Manual
R-46	10-Aug-09	Single	8741	1340	20.7	1340	1360.7	58.01	174.0	n/a	5885.17	Manual

^a amsl = Above mean sea level.

^b n/a = Not applicable.

^c 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 (ft ³ /s)	Water Level (ft amsl ^a)	Water-Level Method
Base Flow												
Middle Sandia Canyon at terminus of persistent baseflow	19-Aug-09	n/a ^b	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.16	n/a	n/a
Sandia below Wetlands E123	7-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.691	n/a	n/a
Sandia right fork at Power Plant E121	7-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.713	n/a	n/a
South Fork of Sandia Canyon at E122	13-Aug-09	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.16	n/a	n/a
Alluvial Aquifer												
SCA-1	4-Aug-09	Single	7981	1.3	0.6	1.3	1.9	0.14	0.1	n/a	Dry ^c	n/a
SCA-1-DP	3-Aug-09	Single	8751	2.16	0.5	2.16	2.66	0.27	1	n/a	7210.41	Manual
SCA-2	4-Aug-09	Single	7991	10.3	4.7	10.3	15	0.32	1.1	n/a	6735.44	Manual
SCA-3	n/a	Single	8001	27.6	4.4	27.6	32	n/a	n/a	n/a	Dry	n/a
SCA-4	5-Aug-09	Single	8011	37	4.5	37	41.5	0.77	2.5	n/a	6666.06	Manual
SCA-5	5-Aug-09	Single	8021	55	9.4	55	64.4	0.54	1	n/a	6607.42	Manual
Intermediate Aquifer												
SCI-1	3-Aug-09	Single	8211	358.4	19.5	358.4	377.9	6.31	18.9	n/a	6369.44	Manual
SCI-2	4-Aug-09	Single	8601	548	20	548	568	6.42	19.3	n/a	6205.14	Manual

Table 2.0-2 (continued)

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base Flow (ft ³ /s)	Water Level (ft amsl ^a)	Water-Level Method
Regional Aquifer												
R-10	4-Aug-09	P1A	6381	874	23	874	897	6.42	19.3	n/a	6205.14	Manual
R-10	4-Aug-09	P2A	6391	1042	23	1042	1065	6.42	19.3	n/a	6205.14	Manual
R-10a	12-Aug-09	Single	6371	690	10	690	700	67.82	203.5	n/a	5739.85	Manual
R-11	10-Aug-09	Single	5531	855	22.9	855	877.9	53.2	159.5	n/a	5836.44	Manual
R-12	5-Aug-09	MP1A	12	468.1	8.5	459	467.5	36.25	108.8	n/a	6072.79	Manual
R-12	5-Aug-09	MP2A	52	507	3.5	504.5	508	94.33	283.0	n/a	6073.01	Manual
R-35a	3-Aug-09	Single	8331	1013	49.1	1013.1	1062.2	240.19	720.6	n/a	5827.65	Manual
R-35b	4-Aug-09	Single	8351	825.4	23.1	825.4	848.5	68.48	205.4	n/a	5835.91	Manual
R-36	5-Aug-09	Single	8431	766.9	23	766.9	789.9	43.32	130.0	n/a	5838.66	Manual
R-43	18-Aug-09	P1A	8651	903.9	20.7	903.9	924.6	69.1	207.3	n/a	5838.60	Manual
R-43	18-Aug-09	P2A	8661	969.1	10	969.1	979.1	95.08	290.9	n/a	5837.33	Manual

^a amsl = Above mean sea level.
^b n/a = Not applicable.
^c See Table.3.4-1 for explanation.

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

Location	Deviation	Cause	Comment
MCA-5	No data are included in this report for this location.	This well was not sampled on 08/07/2009 because it was dry.	Well will be sampled when sufficient water is present.
MT-3, TSCA-6	No data are included in this report for these locations.	The wells were not sampled on 08/17/2009 because they were dry.	Wells will be sampled when sufficient water is present.
TS-1W, M-2E	No data are included in this report for these locations.	The wells were not sampled on 08/19/2009 because they were dry.	Wells will be sampled when sufficient water is present.
R-16, Screens 2, 3, 4	No data are included in this report for these well screens.	R-16 was undergoing rehabilitation.	Well screens will be sampled after rehabilitation is complete.

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

Location	Deviation	Cause	Comment
R-10 Screens 1, 2	No data are included in this report for these well screens.	The well screens were not sampled during 21-d window because of mechanical problems with the Baski system.	Well screens were sampled on 09/23/2009 after sampling system repair.
SCA-1, SCA-3	No data are included in this report for these locations.	The wells were not sampled on 08/04/2009 because they were dry.	Wells will be sampled when sufficient water is present.
SCA-5	Limited data are included in this report for this location.	This well was sampled for a limited suite on 08/05/2009 because it was purged dry.	Full analytical suite will be collected next sampling round if sufficient water is present.

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

Analytical Suite Code	Analyte	PQL	MDL	Unit	Screening-Level Value	Screening Level
SVOA	Azobenzene	12.5	2.5	µg/L	1.2	EPA Regional Tap
SVOA	Benzidine	11.1	2.2	µg/L	0.00094	EPA Regional Tap
SVOA	Benzo(a)pyrene	1.25	0.25	µg/L	0.2	EPA MCL
SVOA	Bis(2-chloroethyl)ether	12.5	2.5	µg/L	0.12	EPA Regional Tap
SVOA	Dibenz(a,h)anthracene	1.11	0.22	µg/L	0.029	EPA Regional Tap
SVOA	Dinitro-2-methylphenol[4,6-]	12.5	3.8	µg/L	3.7	EPA Regional Tap
SVOA	Dinitrotoluene[2,4-]	12.5	2.5	µg/L	2.2	EPA Regional Tap
SVOA	Hexachlorobenzene	12.5	2.5	µg/L	1	EPA MCL
SVOA	Nitrobenzene	12.5	3.8	µg/L	1.2	EPA Regional Tap
SVOA	Nitrosodiethylamine[N-]	12.5	2.5	µg/L	0.0014	EPA Regional Tap
SVOA	Nitrosodimethylamine[N-]	12.5	2.5	µg/L	0.0042	EPA Regional Tap
SVOA	Nitroso-di-n-butylamine[N-]	12.5	2.5	µg/L	0.024	EPA Regional Tap
SVOA	Nitroso-di-n-propylamine[N-]	12.5	2.5	µg/L	0.096	EPA Regional Tap
SVOA	Nitrosopyrrolidine[N-]	12.5	2.5	µg/L	0.32	EPA Regional Tap
SVOA	Pentachlorophenol	12.5	2.5	µg/L	1	EPA MCL
VOA	Acrolein	5	1.3	µg/L	0.042	EPA Regional Tap
VOA	Acrylonitrile	5	1	µg/L	0.45	EPA Regional Tap
VOA	Dibromo-3-Chloropropane[1,2-]	1	0.5	µg/L	0.2	EPA MCL
VOA	Dibromoethane[1,2-]	1	0.25	µg/L	0.05	EPA MCL
VOA	Methacrylonitrile	5	1	µg/L	1	EPA Regional Tap
VOA	Trichloropropane[1,2,3-]	1	0.3	µg/L	0.096	EPA Regional Tap
RAD	Np-237	n/a	40	pCi/L	30	DOE DCG

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

**Table 4.2-1
Screening Levels for Groundwater and Surface Water at Los Alamos National Laboratory**

Standard Type	Groundwater	Surface Water
DOE BCG	n/a ^a	X ^b
DOE 100 mrem Public Dose DCGs	X	n/a
DOE 4 mrem Drinking Water DCGs	X	n/a
EPA Primary Drinking Water Standard	X	n/a
EPA Regional Screening Levels for Tap water	X	n/a
New Mexico Environmental Improvement Board Radiation Protection Standards	X	X
NMWQCC Groundwater Standard	X	n/a
NMWQCC Irrigation Standard	n/a	X
NMQCC 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

^a n/a = Not applicable.

^b 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	Result	Units	Screening-Level Value	Screening Level
Surface Water							
Mortandad below Effluent Canyon	08/18/09	Cs-137	UF ^a	57.6	pCi/L	40	DOE BCG Water
M-1W	08/17/09	Al	F ^b	911	µg/L	750	NM Aquatic Acute
Alluvial Aquifer							
MCO-3	08/12/09	Am-241	UF	3.81	pCi/L	1.2	DOE DW DCG
MCO-3	08/12/09	GROSSB	UF	76.2	pCi/L	50	EPA DW SCR LVL
MCO-4B	08/18/09	GROSSB	UF	91.3	pCi/L	50	EPA DW SCR LVL
MCO-5	08/17/09	GROSSB	UF	96.5	pCi/L	50	EPA DW SCR LVL
MCO-6	08/12/09	GROSSB	UF	84.7	pCi/L	50	EPA DW SCR LVL
MCO-3	08/12/09	Pu-238	UF	4.02	pCi/L	1.6	DOE DW DCG
MCO-3	08/12/09	Pu-239/240	UF	4.38	pCi/L	1.2	DOE DW DCG
MCO-3	08/12/09	Sr-90	UF	13.5	pCi/L	8	EPA MCL
MCO-4B	08/18/09	Sr-90	UF	44.8	pCi/L	8	EPA MCL
MCO-5	08/17/09	Sr-90	UF	45.3	pCi/L	8	EPA MCL
MCO-6	08/12/09	Sr-90	UF	39.4	pCi/L	8	EPA MCL
MCO-4B	08/18/09	ClO ₄	F	9.23	µg/L	4	NM Consent Order

Table 4.2-2 (continued)

Location	Date	Analyte	Field Prep	Result	Units	Screening-Level Value	Screening Level
MCO-5	08/17/09	ClO ₄	F	8.78	µg/L	4	NM Consent Order
MCO-6	08/12/09	ClO ₄	F	7.26	µg/L	4	NM Consent Order
MCO-7	08/13/09	ClO ₄	F	12	µg/L	4	NM Consent Order
MCO-7.5	08/05/09	ClO ₄	F	21.9	µg/L	4	NM Consent Order
MCO-0.6	08/06/09	Fe	F	8770	µg/L	1000	NMWQCC
MCO-0.6	08/06/09	Mn	F	2290	µg/L	200	NMWQCC
MCO-2	08/12/09	Fe	F	1130	µg/L	1000	NMWQCC
MCO-2	08/12/09	Mn	F	506	µg/L	200	NMWQCC
MCA-1	08/06/09	Fe	F	2220	µg/L	1000	NMWQCC
Intermediate Aquifer							
MCOI-6	08/19/09	NO ₃ +NO ₂ -N	F	11.7	mg/L	10	NMWQCC
MCOI-4	08/07/09	ClO ₄	F	64.8	µg/L	4	NM Consent Order
MCOI-5	08/06/09	ClO ₄	F	85.6	µg/L	4	NM Consent Order
MCOI-6	08/19/09	ClO ₄	F	104	µg/L	4	NM Consent Order
Regional Aquifer							
R-15	08/06/09	ClO ₄	F	7.38	µg/L	4	NM Consent Order
R-42	08/14/09	Cr	F	1000	µg/L	50	NMWQCC
R-28	08/13/09	Cr	F	383	µg/L	50	NMWQCC
R-46	06/17/09	Bis(2-ethylhexyl)phthalate	UF	38.2	µg/L	6	EPA MCL
R-46	08/10/09	Bis(2-ethylhexyl)phthalate	UF	39.1	µg/L	6	EPA MCL

^a UF = Unfiltered.

^b F = Filtered.

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

Location	Date	Analyte	Field Prep Code	Result	Units	Screening-Level Value	Screening Level
Surface Water							
South Fork of Sandia Canyon at E122	08/13/09	Cu	F ^a	9.05	µg/L	9	NM Aquatic Chronic 100 mg
Sandia below Wetlands	08/07/09	Al	F	121	µg/L	87	NM Aquatic Chronic
Alluvial Aquifer							
SCA-1-DP	08/03/09	Mn	F	677	µg/L	200	NMWQCC
Intermediate Aquifer							
SCI-2	08/04/09	Cr	F	510	µg/L	50	NMWQCC
Regional Aquifer							
R-36	08/05/09	Bis(2-ethylhexyl)phthalate	UF ^b	10.7	µg/L	6	EPA MCL

^a F = Filtered.

^b UF = Unfiltered.

Appendix A

Field Parameter Results

Table A-1
Mortandad Field Parameters

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
E-1FW	n/a	n/a	08/18/09	WS	Dissolved Oxygen	0.48	mg/L	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Dissolved Oxygen	1.76	mg/L	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Dissolved Oxygen	1.84	mg/L	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	Dissolved Oxygen	1.08	mg/L	CAMO-08-14406
E-1FW	n/a	n/a	02/20/08	WS	Dissolved Oxygen	2.6	mg/L	CAMO-08-10862
E-1FW	n/a	n/a	08/18/09	WS	Oxidation Reduction Potential	289.3	mV	CAMO-09-9435
E-1FW	n/a	n/a	10/25/06	WS	Oxidation Reduction Potential	344.7	mV	FU06090PWF1E01
E-1FW	n/a	n/a	08/18/09	WS	pH	5.93	SU	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	pH	5.8	SU	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	pH	5.56	SU	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	pH	5.9	SU	CAMO-08-14406
E-1FW	n/a	n/a	02/20/08	WS	pH	5.8	SU	CAMO-08-10862
E-1FW	n/a	n/a	08/18/09	WS	Specific Conductance	360	µS/cm	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Specific Conductance	482	µS/cm	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Specific Conductance	500	µS/cm	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	Specific Conductance	597	µS/cm	CAMO-08-14406
E-1FW	n/a	n/a	02/20/08	WS	Specific Conductance	829	µS/cm	CAMO-08-10862
E-1FW	n/a	n/a	08/18/09	WS	Temperature	13.36	deg C	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Temperature	2.82	deg C	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Temperature	6.1	deg C	CAMO-09-713
E-1FW	n/a	n/a	08/13/08	WS	Temperature	16.4	deg C	CAMO-08-14406
E-1FW	n/a	n/a	02/20/08	WS	Temperature	2.7	deg C	CAMO-08-10862
E-1FW	n/a	n/a	08/18/09	WS	Turbidity	115	NTU	CAMO-09-9435
E-1FW	n/a	n/a	02/12/09	WS	Turbidity	29.5	NTU	CAMO-09-2372
E-1FW	n/a	n/a	11/17/08	WS	Turbidity	13.5	NTU	CAMO-09-713
E-1FW	n/a	n/a	02/20/08	WS	Turbidity	6.04	NTU	CAMO-08-10862

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
E-1FW	n/a	n/a	03/01/07	WS	Turbidity	1.43	NTU	FU07020PWF1E01
M-1E	n/a	n/a	08/17/09	WS	Dissolved Oxygen	2.72	mg/L	CAMO-09-9442
M-1E	n/a	n/a	11/17/08	WS	Dissolved Oxygen	5.29	mg/L	CAMO-09-727
M-1E	n/a	n/a	08/18/08	WS	Dissolved Oxygen	2.27	mg/L	CAMO-08-14419
M-1E	n/a	n/a	02/21/08	WS	Dissolved Oxygen	7.3	mg/L	CAMO-08-10863
M-1E	n/a	n/a	06/19/07	WP	Dissolved Oxygen	2.81	mg/L	FU070600PE1M01
M-1E	n/a	n/a	08/17/09	WS	pH	7.22	SU	CAMO-09-9442
M-1E	n/a	n/a	11/17/08	WS	pH	5.6	SU	CAMO-09-727
M-1E	n/a	n/a	08/18/08	WS	pH	6.16	SU	CAMO-08-14419
M-1E	n/a	n/a	02/21/08	WS	pH	6.27	SU	CAMO-08-10863
M-1E	n/a	n/a	08/17/09	WS	Specific Conductance	402	µS/cm	CAMO-09-9442
M-1E	n/a	n/a	11/17/08	WS	Specific Conductance	394	µS/cm	CAMO-09-727
M-1E	n/a	n/a	08/18/08	WS	Specific Conductance	669	µS/cm	CAMO-08-14419
M-1E	n/a	n/a	02/21/08	WS	Specific Conductance	157.8	µS/cm	CAMO-08-10863
M-1E	n/a	n/a	08/17/09	WS	Temperature	23.36	deg C	CAMO-09-9442
M-1E	n/a	n/a	11/17/08	WS	Temperature	3.6	deg C	CAMO-09-727
M-1E	n/a	n/a	08/18/08	WS	Temperature	19.1	deg C	CAMO-08-14419
M-1E	n/a	n/a	02/21/08	WS	Temperature	0.6	deg C	CAMO-08-10863
M-1E	n/a	n/a	06/19/07	WP	Temperature	18.3	deg C	FU070600PE1M01
M-1E	n/a	n/a	08/17/09	WS	Turbidity	47.3	NTU	CAMO-09-9442
M-1E	n/a	n/a	11/17/08	WS	Turbidity	7.54	NTU	CAMO-09-727
M-1E	n/a	n/a	08/18/08	WS	Turbidity	6.59	NTU	CAMO-08-14419
M-1E	n/a	n/a	02/21/08	WS	Turbidity	39.5	NTU	CAMO-08-10863
M-1E	n/a	n/a	06/19/07	WP	Turbidity	2.02	NTU	FU070600PE1M01
M-1W	n/a	n/a	08/17/09	WS	Dissolved Oxygen	8.26	mg/L	CAMO-09-9440
M-1W	n/a	n/a	02/12/09	WS	Dissolved Oxygen	13.25	mg/L	CAMO-09-2379

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
M-1W	n/a	n/a	08/13/08	WS	Dissolved Oxygen	4.67	mg/L	CAMO-08-14416
M-1W	n/a	n/a	02/14/08	WS	Dissolved Oxygen	9.4	mg/L	CAMO-08-10880
M-1W	n/a	n/a	08/20/07	WS	Dissolved Oxygen	6.6	mg/L	FU070800PW1M01
M-1W	n/a	n/a	08/17/09	WS	pH	7.87	SU	CAMO-09-9440
M-1W	n/a	n/a	02/12/09	WS	pH	7.31	SU	CAMO-09-2379
M-1W	n/a	n/a	08/13/08	WS	pH	6.83	SU	CAMO-08-14416
M-1W	n/a	n/a	02/14/08	WS	pH	6.47	SU	CAMO-08-10880
M-1W	n/a	n/a	08/20/07	WS	pH	7.33	SU	FU070800PW1M01
M-1W	n/a	n/a	08/17/09	WS	Specific Conductance	198	µS/cm	CAMO-09-9440
M-1W	n/a	n/a	02/12/09	WS	Specific Conductance	2519	µS/cm	CAMO-09-2379
M-1W	n/a	n/a	08/13/08	WS	Specific Conductance	487	µS/cm	CAMO-08-14416
M-1W	n/a	n/a	02/14/08	WS	Specific Conductance	3.59	µS/cm	CAMO-08-10880
M-1W	n/a	n/a	08/20/07	WS	Specific Conductance	229	µS/cm	FU070800PW1M01
M-1W	n/a	n/a	08/17/09	WS	Temperature	17.9	deg C	CAMO-09-9440
M-1W	n/a	n/a	02/12/09	WS	Temperature	2.36	deg C	CAMO-09-2379
M-1W	n/a	n/a	08/13/08	WS	Temperature	19.6	deg C	CAMO-08-14416
M-1W	n/a	n/a	02/14/08	WS	Temperature	1.3	deg C	CAMO-08-10880
M-1W	n/a	n/a	08/20/07	WS	Temperature	19.3	deg C	FU070800PW1M01
M-1W	n/a	n/a	08/17/09	WS	Turbidity	166	NTU	CAMO-09-9440
M-1W	n/a	n/a	02/12/09	WS	Turbidity	2.78	NTU	CAMO-09-2379
M-1W	n/a	n/a	08/13/08	WS	Turbidity	222	NTU	CAMO-08-14416
M-1W	n/a	n/a	02/14/08	WS	Turbidity	48.3	NTU	CAMO-08-10880
M-1W	n/a	n/a	08/20/07	WS	Turbidity	177	NTU	FU070800PW1M01
MCA-1	5601	2.4	08/06/09	WG	Dissolved Oxygen	2.04	mg/L	CAMO-09-9485
MCA-1	5601	2.4	11/06/08	WG	Dissolved Oxygen	4.72	mg/L	CAMO-09-760
MCA-1	5601	2.4	08/12/08	WG	Dissolved Oxygen	6.6	mg/L	CAMO-08-14456

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCA-1	5601	2.4	05/20/08	WG	Dissolved Oxygen	4.5	mg/L	CAMO-08-12713
MCA-1	5601	2.4	02/06/08	WG	Dissolved Oxygen	4.41	mg/L	CAMO-08-10489
MCA-1	5601	2.4	08/06/09	WG	Oxidation Reduction Potential	104.5	mV	CAMO-09-9485
MCA-1	5601	2.4	11/06/08	WG	Oxidation Reduction Potential	510	mV	CAMO-09-760
MCA-1	5601	2.4	08/12/08	WG	Oxidation Reduction Potential	10	mV	CAMO-08-14456
MCA-1	5601	2.4	05/20/08	WG	Oxidation Reduction Potential	89	mV	CAMO-08-12713
MCA-1	5601	2.4	02/06/08	WG	Oxidation Reduction Potential	285	mV	CAMO-08-10489
MCA-1	5601	2.4	08/06/09	WG	pH	6.55	SU	CAMO-09-9485
MCA-1	5601	2.4	11/06/08	WG	pH	6.48	SU	CAMO-09-760
MCA-1	5601	2.4	08/12/08	WG	pH	6.26	SU	CAMO-08-14456
MCA-1	5601	2.4	05/20/08	WG	pH	6.66	SU	CAMO-08-12713
MCA-1	5601	2.4	08/06/09	WG	Specific Conductance	171	µS/cm	CAMO-09-9485
MCA-1	5601	2.4	11/06/08	WG	Specific Conductance	212	µS/cm	CAMO-09-760
MCA-1	5601	2.4	08/12/08	WG	Specific Conductance	144.4	µS/cm	CAMO-08-14456
MCA-1	5601	2.4	05/20/08	WG	Specific Conductance	204	µS/cm	CAMO-08-12713
MCA-1	5601	2.4	08/06/09	WG	Temperature	14.28	deg C	CAMO-09-9485
MCA-1	5601	2.4	11/06/08	WG	Temperature	10.8	deg C	CAMO-09-760
MCA-1	5601	2.4	08/12/08	WG	Temperature	16	deg C	CAMO-08-14456
MCA-1	5601	2.4	05/20/08	WG	Temperature	13.5	deg C	CAMO-08-12713
MCA-1	5601	2.4	02/06/08	WG	Temperature	4.2	deg C	CAMO-08-10489
MCA-1	5601	2.4	08/06/09	WG	Turbidity	71.2	NTU	CAMO-09-9485
MCA-1	5601	2.4	11/06/08	WG	Turbidity	89.7	NTU	CAMO-09-760
MCA-1	5601	2.4	08/12/08	WG	Turbidity	184	NTU	CAMO-08-14456
MCA-1	5601	2.4	05/20/08	WG	Turbidity	173	NTU	CAMO-08-12713
MCA-1	5601	2.4	02/06/08	WG	Turbidity	36.9	NTU	CAMO-08-10489
MCO-0.6	5641	1.05	08/06/09	WG	Dissolved Oxygen	1.74	mg/L	CAMO-09-9472

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	05/29/08	WG	Dissolved Oxygen	3.7	mg/L	CAMO-08-12722
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	05/29/08	WG	Oxidation Reduction Potential	24	mV	CAMO-08-12722
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	11/05/08	WG	pH	5.91	SU	CAMO-09-755
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	11/05/08	WG	Specific Conductance	1136	µS/cm	CAMO-09-755
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	05/29/08	WG	Temperature	14.4	deg C	CAMO-08-12722
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
MCO-0.6	5641	1.05	05/29/08	WG	Turbidity	71.3	NTU	CAMO-08-12722
MCO-2	4551	2	08/12/09	WG	Dissolved Oxygen	1.07	mg/L	CAMO-09-9492

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-2	4551	2	02/10/09	WG	Dissolved Oxygen	0.9	mg/L	CAMO-09-2508
MCO-2	4551	2	08/13/08	WG	Dissolved Oxygen	0.8	mg/L	CAMO-08-14460
MCO-2	4551	2	05/28/08	WG	Dissolved Oxygen	3.5	mg/L	CAMO-08-12715
MCO-2	4551	2	02/06/08	WG	Dissolved Oxygen	1.57	mg/L	CAMO-08-10494
MCO-2	4551	2	08/12/09	WG	Oxidation Reduction Potential	403.6	mV	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Oxidation Reduction Potential	273.1	mV	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Oxidation Reduction Potential	329	mV	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	Oxidation Reduction Potential	81	mV	CAMO-08-14460
MCO-2	4551	2	05/28/08	WG	Oxidation Reduction Potential	101	mV	CAMO-08-12715
MCO-2	4551	2	08/12/09	WG	pH	6.21	SU	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	pH	6.02	SU	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	pH	6.22	SU	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	pH	5.99	SU	CAMO-08-14460
MCO-2	4551	2	08/12/09	WG	Specific Conductance	261	µS/cm	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Specific Conductance	1199	µS/cm	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Specific Conductance	545	µS/cm	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	Specific Conductance	687	µS/cm	CAMO-08-14460
MCO-2	4551	2	08/12/09	WG	Temperature	15.52	deg C	CAMO-09-9492
MCO-2	4551	2	02/10/09	WG	Temperature	4.06	deg C	CAMO-09-2508
MCO-2	4551	2	11/05/08	WG	Temperature	9.9	deg C	CAMO-09-762
MCO-2	4551	2	08/13/08	WG	Temperature	17.8	deg C	CAMO-08-14460
MCO-2	4551	2	05/28/08	WG	Temperature	11.1	deg C	CAMO-08-12715
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-2	4551	2	05/28/08	WG	Turbidity	277	NTU	CAMO-08-12715
MCO-3	4561	2	08/12/09	WG	Dissolved Oxygen	0.95	mg/L	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Dissolved Oxygen	6.79	mg/L	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Dissolved Oxygen	10.54	mg/L	CAMO-09-4069
MCO-3	4561	2	11/06/08	WG	Dissolved Oxygen	4.11	mg/L	CAMO-09-913
MCO-3	4561	2	08/15/08	WG	Dissolved Oxygen	3.49	mg/L	CAMO-08-14868
MCO-3	4561	2	08/12/09	WG	Oxidation Reduction Potential	413.2	mV	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Oxidation Reduction Potential	417.5	mV	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Oxidation Reduction Potential	473	mV	CAMO-09-4069
MCO-3	4561	2	11/06/08	WG	Oxidation Reduction Potential	597	mV	CAMO-09-913
MCO-3	4561	2	08/15/08	WG	Oxidation Reduction Potential	20	mV	CAMO-08-14868
MCO-3	4561	2	08/12/09	WG	pH	6.77	SU	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	pH	6.99	SU	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	pH	7.11	SU	CAMO-09-4069
MCO-3	4561	2	11/06/08	WG	pH	7.41	SU	CAMO-09-913
MCO-3	4561	2	08/12/09	WG	Specific Conductance	331	µS/cm	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Specific Conductance	505	µS/cm	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Specific Conductance	450	µS/cm	CAMO-09-4069
MCO-3	4561	2	11/06/08	WG	Specific Conductance	379	µS/cm	CAMO-09-913
MCO-3	4561	2	08/12/09	WG	Temperature	14.19	deg C	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Temperature	6.81	deg C	CAMO-09-8408
MCO-3	4561	2	02/11/09	WG	Temperature	1.37	deg C	CAMO-09-4069
MCO-3	4561	2	11/06/08	WG	Temperature	6.9	deg C	CAMO-09-913
MCO-3	4561	2	08/15/08	WG	Temperature	14.6	deg C	CAMO-08-14868
MCO-3	4561	2	08/12/09	WG	Turbidity	61.4	NTU	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Turbidity	5.7	NTU	CAMO-09-8408

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-3	4561	2	02/11/09	WG	Turbidity	0.8	NTU	CAMO-09-4069
MCO-3	4561	2	11/06/08	WG	Turbidity	59.5	NTU	CAMO-09-913
MCO-3	4561	2	08/15/08	WG	Turbidity	85.5	NTU	CAMO-08-14868
MCO-4B	4581	8.9	08/18/09	WG	Dissolved Oxygen	11.14	mg/L	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Dissolved Oxygen	8.45	mg/L	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Dissolved Oxygen	8.77	mg/L	CAMO-09-2582
MCO-4B	4581	8.9	11/10/08	WG	Dissolved Oxygen	8.6	mg/L	CAMO-09-765
MCO-4B	4581	8.9	08/18/08	WG	Dissolved Oxygen	8.82	mg/L	CAMO-08-14471
MCO-4B	4581	8.9	08/18/09	WG	Oxidation Reduction Potential	374.3	mV	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Oxidation Reduction Potential	142.5	mV	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Oxidation Reduction Potential	190	mV	CAMO-09-2582
MCO-4B	4581	8.9	11/10/08	WG	Oxidation Reduction Potential	377	mV	CAMO-09-765
MCO-4B	4581	8.9	08/18/08	WG	Oxidation Reduction Potential	135	mV	CAMO-08-14471
MCO-4B	4581	8.9	08/18/09	WG	pH	6.1	SU	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	pH	6.15	SU	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	pH	6.84	SU	CAMO-09-2582
MCO-4B	4581	8.9	11/10/08	WG	pH	6.53	SU	CAMO-09-765
MCO-4B	4581	8.9	08/18/08	WG	pH	6.74	SU	CAMO-08-14471
MCO-4B	4581	8.9	08/18/09	WG	Specific Conductance	326	µS/cm	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Specific Conductance	303	µS/cm	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Specific Conductance	316	µS/cm	CAMO-09-2582
MCO-4B	4581	8.9	11/10/08	WG	Specific Conductance	478	µS/cm	CAMO-09-765
MCO-4B	4581	8.9	08/18/08	WG	Specific Conductance	564	µS/cm	CAMO-08-14471
MCO-4B	4581	8.9	08/18/09	WG	Temperature	8.32	deg C	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Temperature	8.33	deg C	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Temperature	8	deg C	CAMO-09-2582

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-4B	4581	8.9	11/10/08	WG	Temperature	8	deg C	CAMO-09-765
MCO-4B	4581	8.9	08/18/08	WG	Temperature	9.1	deg C	CAMO-08-14471
MCO-4B	4581	8.9	08/18/09	WG	Turbidity	3.14	NTU	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Turbidity	39.6	NTU	CAMO-09-8144
MCO-4B	4581	8.9	02/04/09	WG	Turbidity	66.8	NTU	CAMO-09-2582
MCO-4B	4581	8.9	11/10/08	WG	Turbidity	1.2	NTU	CAMO-09-765
MCO-4B	4581	8.9	08/18/08	WG	Turbidity	13.2	NTU	CAMO-08-14471
MCO-5	4591	21	08/17/09	WG	Dissolved Oxygen	8.78	mg/L	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Dissolved Oxygen	8.83	mg/L	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Dissolved Oxygen	9.4	mg/L	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Dissolved Oxygen	10.38	mg/L	CAMO-08-14474
MCO-5	4591	21	02/07/08	WG	Dissolved Oxygen	5.48	mg/L	CAMO-08-10473
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	08/15/08	WG	Oxidation Reduction Potential	203	mV	CAMO-08-14474
MCO-5	4591	21	02/07/08	WG	Oxidation Reduction Potential	297	mV	CAMO-08-10473
MCO-5	4591	21	08/17/09	WG	pH	6.25	SU	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	pH	6.83	SU	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	pH	6.72	SU	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	pH	6.8	SU	CAMO-08-14474
MCO-5	4591	21	02/07/08	WG	pH	6.81	SU	CAMO-08-10473
MCO-5	4591	21	08/17/09	WG	Specific Conductance	399	µS/cm	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Specific Conductance	375	µS/cm	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Specific Conductance	498	µS/cm	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Specific Conductance	542	µS/cm	CAMO-08-14474

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-5	4591	21	02/07/08	WG	Specific Conductance	367	µS/cm	CAMO-08-10473
MCO-5	4591	21	08/17/09	WG	Temperature	9.05	deg C	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Temperature	7.69	deg C	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Temperature	8.9	deg C	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Temperature	11.6	deg C	CAMO-08-14474
MCO-5	4591	21	02/07/08	WG	Temperature	10.4	deg C	CAMO-08-10473
MCO-5	4591	21	08/17/09	WG	Turbidity	2.31	NTU	CAMO-09-9502
MCO-5	4591	21	02/11/09	WG	Turbidity	14	NTU	CAMO-09-2593
MCO-5	4591	21	11/10/08	WG	Turbidity	3.76	NTU	CAMO-09-775
MCO-5	4591	21	08/15/08	WG	Turbidity	4.12	NTU	CAMO-08-14474
MCO-5	4591	21	02/07/08	WG	Turbidity	4.87	NTU	CAMO-08-10473
MCO-6	4601	27	08/12/09	WG	Dissolved Oxygen	8.84	mg/L	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Dissolved Oxygen	8.16	mg/L	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Dissolved Oxygen	8.52	mg/L	CAMO-09-2585
MCO-6	4601	27	11/11/08	WG	Dissolved Oxygen	9.6	mg/L	CAMO-09-768
MCO-6	4601	27	08/19/08	WG	Dissolved Oxygen	10.88	mg/L	CAMO-08-14478
MCO-6	4601	27	08/12/09	WG	Oxidation Reduction Potential	490.3	mV	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Oxidation Reduction Potential	124.9	mV	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Oxidation Reduction Potential	402	mV	CAMO-09-2585
MCO-6	4601	27	11/11/08	WG	Oxidation Reduction Potential	520	mV	CAMO-09-768
MCO-6	4601	27	08/19/08	WG	Oxidation Reduction Potential	362	mV	CAMO-08-14478
MCO-6	4601	27	08/12/09	WG	pH	5.82	SU	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	pH	6.78	SU	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	pH	6.68	SU	CAMO-09-2585
MCO-6	4601	27	11/11/08	WG	pH	6.58	SU	CAMO-09-768
MCO-6	4601	27	08/19/08	WG	pH	6.82	SU	CAMO-08-14478

Periodic Monitoring Report for Morandad and Sandia Watersheds

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-6	4601	27	08/12/09	WG	Specific Conductance	389	µS/cm	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Specific Conductance	353	µS/cm	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Specific Conductance	343	µS/cm	CAMO-09-2585
MCO-6	4601	27	11/11/08	WG	Specific Conductance	527	µS/cm	CAMO-09-768
MCO-6	4601	27	08/19/08	WG	Specific Conductance	572	µS/cm	CAMO-08-14478
MCO-6	4601	27	08/12/09	WG	Temperature	9.68	deg C	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Temperature	11.63	deg C	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Temperature	9	deg C	CAMO-09-2585
MCO-6	4601	27	11/11/08	WG	Temperature	9.4	deg C	CAMO-09-768
MCO-6	4601	27	08/19/08	WG	Temperature	10.7	deg C	CAMO-08-14478
MCO-6	4601	27	08/12/09	WG	Turbidity	2.45	NTU	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Turbidity	8.89	NTU	CAMO-09-8146
MCO-6	4601	27	02/04/09	WG	Turbidity	4.9	NTU	CAMO-09-2585
MCO-6	4601	27	11/11/08	WG	Turbidity	1.23	NTU	CAMO-09-768
MCO-6	4601	27	08/19/08	WG	Turbidity	4.64	NTU	CAMO-08-14478
MCO-7	4631	39	08/13/09	WG	Dissolved Oxygen	7.83	mg/L	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Dissolved Oxygen	7.95	mg/L	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Dissolved Oxygen	8.18	mg/L	CAMO-09-2587
MCO-7	4631	39	11/11/08	WG	Dissolved Oxygen	8.1	mg/L	CAMO-09-769
MCO-7	4631	39	08/19/08	WG	Dissolved Oxygen	9.69	mg/L	CAMO-08-14483
MCO-7	4631	39	08/13/09	WG	Oxidation Reduction Potential	370.2	mV	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Oxidation Reduction Potential	211.4	mV	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Oxidation Reduction Potential	400	mV	CAMO-09-2587
MCO-7	4631	39	11/11/08	WG	Oxidation Reduction Potential	458	mV	CAMO-09-769
MCO-7	4631	39	08/19/08	WG	Oxidation Reduction Potential	541	mV	CAMO-08-14483
MCO-7	4631	39	08/13/09	WG	pH	6.66	SU	CAMO-09-9514

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7	4631	39	05/04/09	WG	pH	6.73	SU	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	pH	6.67	SU	CAMO-09-2587
MCO-7	4631	39	11/11/08	WG	pH	6.83	SU	CAMO-09-769
MCO-7	4631	39	08/13/09	WG	Specific Conductance	400	µS/cm	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Specific Conductance	332	µS/cm	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Specific Conductance	323	µS/cm	CAMO-09-2587
MCO-7	4631	39	11/11/08	WG	Specific Conductance	422	µS/cm	CAMO-09-769
MCO-7	4631	39	08/13/09	WG	Temperature	10.77	deg C	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Temperature	10.6	deg C	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Temperature	9.7	deg C	CAMO-09-2587
MCO-7	4631	39	11/11/08	WG	Temperature	10.7	deg C	CAMO-09-769
MCO-7	4631	39	08/19/08	WG	Temperature	10.7	deg C	CAMO-08-14483
MCO-7	4631	39	08/13/09	WG	Turbidity	4.78	NTU	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Turbidity	4.76	NTU	CAMO-09-8147
MCO-7	4631	39	02/03/09	WG	Turbidity	2.8	NTU	CAMO-09-2587
MCO-7	4631	39	11/11/08	WG	Turbidity	22.1	NTU	CAMO-09-769
MCO-7	4631	39	08/19/08	WG	Turbidity	4.09	NTU	CAMO-08-14483
MCO-7.5	4661	35	08/05/09	WG	Dissolved Oxygen	6.5	mg/L	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Dissolved Oxygen	7.04	mg/L	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Dissolved Oxygen	7.6	mg/L	CAMO-09-772
MCO-7.5	4661	35	05/28/08	WG	Dissolved Oxygen	10.5	mg/L	CAMO-08-12726
MCO-7.5	4661	35	02/06/08	WG	Dissolved Oxygen	6.21	mg/L	CAMO-08-10483
MCO-7.5	4661	35	08/05/09	WG	Oxidation Reduction Potential	128.9	mV	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Oxidation Reduction Potential	318.5	mV	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Oxidation Reduction Potential	472	mV	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Oxidation Reduction Potential	14	mV	CAMO-08-14486

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7.5	4661	35	05/28/08	WG	Oxidation Reduction Potential	189	mV	CAMO-08-12726
MCO-7.5	4661	35	08/05/09	WG	pH	6.79	SU	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	pH	6.8	SU	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	pH	6.67	SU	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	pH	6.9	SU	CAMO-08-14486
MCO-7.5	4661	35	05/28/08	WG	pH	6.89	SU	CAMO-08-12726
MCO-7.5	4661	35	08/05/09	WG	Specific Conductance	365	µS/cm	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Specific Conductance	329	µS/cm	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Specific Conductance	417	µS/cm	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Specific Conductance	438	µS/cm	CAMO-08-14486
MCO-7.5	4661	35	05/28/08	WG	Specific Conductance	450	µS/cm	CAMO-08-12726
MCO-7.5	4661	35	08/05/09	WG	Temperature	10.81	deg C	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Temperature	10.01	deg C	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Temperature	10.3	deg C	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Temperature	11.1	deg C	CAMO-08-14486
MCO-7.5	4661	35	05/28/08	WG	Temperature	12.2	deg C	CAMO-08-12726
MCO-7.5	4661	35	08/05/09	WG	Turbidity	12.8	NTU	CAMO-09-9516
MCO-7.5	4661	35	02/03/09	WG	Turbidity	1.68	NTU	CAMO-09-2589
MCO-7.5	4661	35	11/12/08	WG	Turbidity	1.01	NTU	CAMO-09-772
MCO-7.5	4661	35	08/14/08	WG	Turbidity	1.11	NTU	CAMO-08-14486
MCO-7.5	4661	35	05/28/08	WG	Turbidity	2.79	NTU	CAMO-08-12726
MCOI-4	5981	499	08/07/09	WG	Dissolved Oxygen	9.94	mg/L	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Dissolved Oxygen	10.09	mg/L	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Dissolved Oxygen	9.34	mg/L	CAMO-09-2595
MCOI-4	5981	499	11/18/08	WG	Dissolved Oxygen	8.56	mg/L	CAMO-09-777
MCOI-4	5981	499	08/19/08	WG	Dissolved Oxygen	6.68	mg/L	CAMO-08-14496

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-4	5981	499	08/07/09	WG	Oxidation Reduction Potential	337.6	mV	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Oxidation Reduction Potential	447	mV	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Oxidation Reduction Potential	322	mV	CAMO-09-2595
MCOI-4	5981	499	11/18/08	WG	Oxidation Reduction Potential	455	mV	CAMO-09-777
MCOI-4	5981	499	08/19/08	WG	Oxidation Reduction Potential	310	mV	CAMO-08-14496
MCOI-4	5981	499	08/07/09	WG	pH	7.2	SU	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	pH	6.84	SU	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	pH	6.67	SU	CAMO-09-2595
MCOI-4	5981	499	08/07/09	WG	Specific Conductance	224	µS/cm	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Specific Conductance	205	µS/cm	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Specific Conductance	214	µS/cm	CAMO-09-2595
MCOI-4	5981	499	08/07/09	WG	Temperature	14.75	deg C	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Temperature	13.09	deg C	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Temperature	9.28	deg C	CAMO-09-2595
MCOI-4	5981	499	11/18/08	WG	Temperature	11.4	deg C	CAMO-09-777
MCOI-4	5981	499	08/19/08	WG	Temperature	17.4	deg C	CAMO-08-14496
MCOI-4	5981	499	08/07/09	WG	Turbidity	1.52	NTU	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Turbidity	0.53	NTU	CAMO-09-8156
MCOI-4	5981	499	02/11/09	WG	Turbidity	43.7	NTU	CAMO-09-2595
MCOI-4	5981	499	11/18/08	WG	Turbidity	2.61	NTU	CAMO-09-777
MCOI-4	5981	499	08/19/08	WG	Turbidity	3.41	NTU	CAMO-08-14496
MCOI-5	5721	689	08/06/09	WG	Dissolved Oxygen	6.3	mg/L	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Dissolved Oxygen	5.57	mg/L	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Dissolved Oxygen	6.45	mg/L	CAMO-09-2599
MCOI-5	5721	689	11/11/08	WG	Dissolved Oxygen	6.45	mg/L	CAMO-09-782
MCOI-5	5721	689	08/18/08	WG	Dissolved Oxygen	5.52	mg/L	CAMO-08-14497

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-5	5721	689	08/06/09	WG	Oxidation Reduction Potential	347.9	mV	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Oxidation Reduction Potential	421.8	mV	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Oxidation Reduction Potential	171.9	mV	CAMO-09-2599
MCOI-5	5721	689	11/11/08	WG	Oxidation Reduction Potential	525	mV	CAMO-09-782
MCOI-5	5721	689	08/18/08	WG	Oxidation Reduction Potential	372	mV	CAMO-08-14497
MCOI-5	5721	689	08/06/09	WG	pH	7.93	SU	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	pH	7.85	SU	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	pH	7.75	SU	CAMO-09-2599
MCOI-5	5721	689	11/11/08	WG	pH	8.23	SU	CAMO-09-782
MCOI-5	5721	689	08/18/08	WG	pH	8.28	SU	CAMO-08-14497
MCOI-5	5721	689	08/06/09	WG	Specific Conductance	156	µS/cm	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Specific Conductance	152	µS/cm	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Specific Conductance	150	µS/cm	CAMO-09-2599
MCOI-5	5721	689	11/11/08	WG	Specific Conductance	153.2	µS/cm	CAMO-09-782
MCOI-5	5721	689	08/18/08	WG	Specific Conductance	152.4	µS/cm	CAMO-08-14497
MCOI-5	5721	689	08/06/09	WG	Temperature	15.24	deg C	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Temperature	15.13	deg C	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Temperature	13.35	deg C	CAMO-09-2599
MCOI-5	5721	689	11/11/08	WG	Temperature	11.8	deg C	CAMO-09-782
MCOI-5	5721	689	08/18/08	WG	Temperature	13.8	deg C	CAMO-08-14497
MCOI-5	5721	689	08/06/09	WG	Turbidity	1.23	NTU	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Turbidity	6.45	NTU	CAMO-09-8163
MCOI-5	5721	689	02/09/09	WG	Turbidity	3.81	NTU	CAMO-09-2599
MCOI-5	5721	689	11/11/08	WG	Turbidity	5.9	NTU	CAMO-09-782
MCOI-5	5721	689	08/18/08	WG	Turbidity	3.71	NTU	CAMO-08-14497
MCOI-6	5731	686	08/19/09	WG	Dissolved Oxygen	5.39	mg/L	CAMO-09-9533

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-6	5731	686	05/05/09	WG	Dissolved Oxygen	7.93	mg/L	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Dissolved Oxygen	5.82	mg/L	CAMO-09-2600
MCOI-6	5731	686	11/10/08	WG	Dissolved Oxygen	6.75	mg/L	CAMO-09-784
MCOI-6	5731	686	08/12/08	WG	Dissolved Oxygen	6.9	mg/L	CAMO-08-14501
MCOI-6	5731	686	08/19/09	WG	Oxidation Reduction Potential	117.9	mV	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Oxidation Reduction Potential	236	mV	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Oxidation Reduction Potential	377.1	mV	CAMO-09-2600
MCOI-6	5731	686	11/10/08	WG	Oxidation Reduction Potential	428	mV	CAMO-09-784
MCOI-6	5731	686	08/12/08	WG	Oxidation Reduction Potential	46	mV	CAMO-08-14501
MCOI-6	5731	686	08/19/09	WG	pH	7.14	SU	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	pH	6.9	SU	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	pH	7.12	SU	CAMO-09-2600
MCOI-6	5731	686	08/19/09	WG	Specific Conductance	576	µS/cm	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Specific Conductance	443	µS/cm	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Specific Conductance	473	µS/cm	CAMO-09-2600
MCOI-6	5731	686	08/19/09	WG	Temperature	25.28	deg C	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Temperature	16.31	deg C	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Temperature	12.53	deg C	CAMO-09-2600
MCOI-6	5731	686	11/10/08	WG	Temperature	15.3	deg C	CAMO-09-784
MCOI-6	5731	686	08/12/08	WG	Temperature	16	deg C	CAMO-08-14501
MCOI-6	5731	686	08/19/09	WG	Turbidity	1.24	NTU	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Turbidity	0.45	NTU	CAMO-09-8169
MCOI-6	5731	686	02/10/09	WG	Turbidity	0.55	NTU	CAMO-09-2600
MCOI-6	5731	686	11/10/08	WG	Turbidity	0.41	NTU	CAMO-09-784
MCOI-6	5731	686	08/12/08	WG	Turbidity	0.49	NTU	CAMO-08-14501
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	Dissolved Oxygen	2.08	mg/L	CAMO-09-9456

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	Dissolved Oxygen	11.93	mg/L	CAMO-09-2375
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	Dissolved Oxygen	7.66	mg/L	CAMO-09-716
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	Dissolved Oxygen	3.9	mg/L	CAMO-08-14433
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	Dissolved Oxygen	8.84	mg/L	CAMO-08-10875
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	Oxidation Reduction Potential	392	mV	CAMO-09-9456
Mortandad below Effluent Canyon	n/a	n/a	10/27/06	WS	Oxidation Reduction Potential	347	mV	FU060900P20001
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	pH	6.92	SU	CAMO-09-9456
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	pH	7.78	SU	CAMO-09-2375
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	pH	7.1	SU	CAMO-09-716
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	pH	7.1	SU	CAMO-08-14433
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	Specific Conductance	276	µS/cm	CAMO-09-9456
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	Specific Conductance	476	µS/cm	CAMO-09-2375
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	Specific Conductance	410	µS/cm	CAMO-09-716
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	Specific Conductance	427	µS/cm	CAMO-08-14433
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	Temperature	15.2	deg C	CAMO-09-9456
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	Temperature	1.09	deg C	CAMO-09-2375
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	Temperature	3.7	deg C	CAMO-09-716
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	Temperature	16.9	deg C	CAMO-08-14433
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	Temperature	1.7	deg C	CAMO-08-10875
R-1	1701	1031.1	08/13/09	WG	Dissolved Oxygen	4.98	mg/L	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Dissolved Oxygen	5.4	mg/L	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Dissolved Oxygen	5.59	mg/L	CAMO-09-2607
R-1	1701	1031.1	11/18/08	WG	Dissolved Oxygen	5.07	mg/L	CAMO-09-789
R-1	1701	1031.1	08/15/08	WG	Dissolved Oxygen	4.57	mg/L	CAMO-08-14505
R-1	1701	1031.1	08/13/09	WG	Oxidation Reduction Potential	79.4	mV	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Oxidation Reduction Potential	93	mV	CAMO-09-8172

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-1	1701	1031.1	02/17/09	WG	Oxidation Reduction Potential	126.2	mV	CAMO-09-2607
R-1	1701	1031.1	11/18/08	WG	Oxidation Reduction Potential	313	mV	CAMO-09-789
R-1	1701	1031.1	08/15/08	WG	Oxidation Reduction Potential	175	mV	CAMO-08-14505
R-1	1701	1031.1	08/13/09	WG	pH	7.36	SU	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	pH	7.62	SU	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	pH	7.68	SU	CAMO-09-2607
R-1	1701	1031.1	11/18/08	WG	pH	7.67	SU	CAMO-09-789
R-1	1701	1031.1	08/13/09	WG	Specific Conductance	151	µS/cm	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Specific Conductance	130	µS/cm	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Specific Conductance	140	µS/cm	CAMO-09-2607
R-1	1701	1031.1	11/18/08	WG	Specific Conductance	119.5	µS/cm	CAMO-09-789
R-1	1701	1031.1	08/13/09	WG	Temperature	22.78	deg C	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Temperature	22.29	deg C	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Temperature	19.71	deg C	CAMO-09-2607
R-1	1701	1031.1	11/18/08	WG	Temperature	22.4	deg C	CAMO-09-789
R-1	1701	1031.1	08/15/08	WG	Temperature	22.2	deg C	CAMO-08-14505
R-1	1701	1031.1	08/13/09	WG	Turbidity	0.7	NTU	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Turbidity	0.3	NTU	CAMO-09-8172
R-1	1701	1031.1	02/17/09	WG	Turbidity	0.54	NTU	CAMO-09-2607
R-1	1701	1031.1	11/18/08	WG	Turbidity	0.66	NTU	CAMO-09-789
R-1	1701	1031.1	08/15/08	WG	Turbidity	0.39	NTU	CAMO-08-14505
R-13	1741	958.3	08/06/09	WG	Dissolved Oxygen	5.24	mg/L	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Dissolved Oxygen	5.89	mg/L	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Dissolved Oxygen	4.81	mg/L	CAMO-09-2628
R-13	1741	958.3	11/10/08	WG	Dissolved Oxygen	5.1	mg/L	CAMO-09-811
R-13	1741	958.3	08/14/08	WG	Dissolved Oxygen	7.27	mg/L	CAMO-08-14532

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-13	1741	958.3	08/06/09	WG	Oxidation Reduction Potential	154.9	mV	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Oxidation Reduction Potential	203.2	mV	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Oxidation Reduction Potential	330.3	mV	CAMO-09-2628
R-13	1741	958.3	11/10/08	WG	Oxidation Reduction Potential	265	mV	CAMO-09-811
R-13	1741	958.3	08/14/08	WG	Oxidation Reduction Potential	274	mV	CAMO-08-14532
R-13	1741	958.3	08/06/09	WG	pH	8.17	SU	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	pH	8.09	SU	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	pH	8.14	SU	CAMO-09-2628
R-13	1741	958.3	11/10/08	WG	pH	8.22	SU	CAMO-09-811
R-13	1741	958.3	08/06/09	WG	Specific Conductance	137	µS/cm	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Specific Conductance	122	µS/cm	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Specific Conductance	142	µS/cm	CAMO-09-2628
R-13	1741	958.3	11/10/08	WG	Specific Conductance	135.5	µS/cm	CAMO-09-811
R-13	1741	958.3	08/06/09	WG	Temperature	22.11	deg C	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Temperature	22.13	deg C	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Temperature	20.03	deg C	CAMO-09-2628
R-13	1741	958.3	11/10/08	WG	Temperature	16.9	deg C	CAMO-09-811
R-13	1741	958.3	08/14/08	WG	Temperature	22.1	deg C	CAMO-08-14532
R-13	1741	958.3	08/06/09	WG	Turbidity	0.78	NTU	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Turbidity	0.23	NTU	CAMO-09-8180
R-13	1741	958.3	02/10/09	WG	Turbidity	0.71	NTU	CAMO-09-2628
R-13	1741	958.3	11/10/08	WG	Turbidity	0.28	NTU	CAMO-09-811
R-13	1741	958.3	08/14/08	WG	Turbidity	0.5	NTU	CAMO-08-14532
R-14	8571	1200.6	08/07/09	WG	Dissolved Oxygen	4.07	mg/L	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Dissolved Oxygen	3.71	mg/L	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Dissolved Oxygen	211	mg/L	CAMO-09-2863

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-14	8571	1200.6	11/13/08	WG	Dissolved Oxygen	6.07	mg/L	CAMO-09-791
R-14	8571	1200.6	08/20/08	WG	Dissolved Oxygen	3	mg/L	CAMO-08-14507
R-14	8571	1200.6	08/07/09	WG	Oxidation Reduction Potential	173.1	mV	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Oxidation Reduction Potential	81.6	mV	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Oxidation Reduction Potential	246	mV	CAMO-09-2863
R-14	8571	1200.6	11/13/08	WG	Oxidation Reduction Potential	150	mV	CAMO-09-791
R-14	8571	1200.6	08/20/08	WG	Oxidation Reduction Potential	6	mV	CAMO-08-14507
R-14	8571	1200.6	08/07/09	WG	pH	8.18	SU	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	pH	8.02	SU	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	pH	8.97	SU	CAMO-09-2863
R-14	8571	1200.6	11/13/08	WG	pH	8.29	SU	CAMO-09-791
R-14	8571	1200.6	08/20/08	WG	pH	8.12	SU	CAMO-08-14507
R-14	8571	1200.6	08/07/09	WG	Specific Conductance	130	µS/cm	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Specific Conductance	138	µS/cm	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Specific Conductance	140	µS/cm	CAMO-09-2863
R-14	8571	1200.6	11/13/08	WG	Specific Conductance	130.9	µS/cm	CAMO-09-791
R-14	8571	1200.6	08/20/08	WG	Specific Conductance	128.2	µS/cm	CAMO-08-14507
R-14	8571	1200.6	08/07/09	WG	Temperature	23.9	deg C	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Temperature	24.16	deg C	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Temperature	23.03	deg C	CAMO-09-2863
R-14	8571	1200.6	11/13/08	WG	Temperature	22.5	deg C	CAMO-09-791
R-14	8571	1200.6	08/20/08	WG	Temperature	23.5	deg C	CAMO-08-14507
R-14	8571	1200.6	08/07/09	WG	Turbidity	0.94	NTU	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Turbidity	0.97	NTU	CAMO-09-8207
R-14	8571	1200.6	02/18/09	WG	Turbidity	1.17	NTU	CAMO-09-2863
R-14	8571	1200.6	11/13/08	WG	Turbidity	1.34	NTU	CAMO-09-791

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-14	8571	1200.6	08/20/08	WG	Turbidity	2.65	NTU	CAMO-08-14507
R-15	1751	958.6	08/06/09	WG	Dissolved Oxygen	5.65	mg/L	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Dissolved Oxygen	6.1	mg/L	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Dissolved Oxygen	7.28	mg/L	CAMO-09-11413
R-15	1751	958.6	02/17/09	WG	Dissolved Oxygen	7.28	mg/L	CAMO-09-2615
R-15	1751	958.6	11/10/08	WG	Dissolved Oxygen	5.56	mg/L	CAMO-09-798
R-15	1751	958.6	08/15/08	WG	Dissolved Oxygen	6.03	mg/L	CAMO-08-14541
R-15	1751	958.6	08/06/09	WG	Oxidation Reduction Potential	170.5	mV	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Oxidation Reduction Potential	267.9	mV	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Oxidation Reduction Potential	231.9	mV	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	Oxidation Reduction Potential	231.9	mV	CAMO-09-11413
R-15	1751	958.6	11/10/08	WG	Oxidation Reduction Potential	445	mV	CAMO-09-798
R-15	1751	958.6	08/15/08	WG	Oxidation Reduction Potential	224	mV	CAMO-08-14541
R-15	1751	958.6	08/06/09	WG	pH	8.3	SU	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	pH	7.86	SU	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	pH	8.09	SU	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	pH	8.09	SU	CAMO-09-11413
R-15	1751	958.6	08/06/09	WG	Specific Conductance	149	µS/cm	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Specific Conductance	132	µS/cm	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Specific Conductance	156	µS/cm	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	Specific Conductance	156	µS/cm	CAMO-09-11413
R-15	1751	958.6	08/06/09	WG	Temperature	20.69	deg C	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Temperature	19.82	deg C	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Temperature	19.79	deg C	CAMO-09-11413
R-15	1751	958.6	02/17/09	WG	Temperature	19.79	deg C	CAMO-09-2615
R-15	1751	958.6	11/10/08	WG	Temperature	18.9	deg C	CAMO-09-798

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-15	1751	958.6	08/15/08	WG	Temperature	21.1	deg C	CAMO-08-14541
R-15	1751	958.6	08/06/09	WG	Turbidity	1.68	NTU	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Turbidity	0.91	NTU	CAMO-09-8173
R-15	1751	958.6	02/17/09	WG	Turbidity	2.76	NTU	CAMO-09-2615
R-15	1751	958.6	02/17/09	WG	Turbidity	2.76	NTU	CAMO-09-11413
R-15	1751	958.6	11/10/08	WG	Turbidity	2.1	NTU	CAMO-09-798
R-15	1751	958.6	08/15/08	WG	Turbidity	2.81	NTU	CAMO-08-14541
R-16	541	866.1	07/18/09	WG	Dissolved Oxygen	6.75	mg/L	CAMO-09-9306
R-16	541	866.1	07/18/09	WG	Dissolved Oxygen	6.76	mg/L	CAMO-09-9304
R-16	541	866.1	07/18/09	WG	Dissolved Oxygen	6.83	mg/L	CAMO-09-9301
R-16	541	866.1	02/03/09	WG	Dissolved Oxygen	4.33	mg/L	CAMO-09-2637
R-16	541	866.1	08/12/08	WG	Dissolved Oxygen	4.41	mg/L	CAMO-08-14842
R-16	541	866.1	05/13/08	WG	Dissolved Oxygen	3.84	mg/L	CAMO-08-12783
R-16	541	866.1	02/13/08	WG	Dissolved Oxygen	4.7	mg/L	CAMO-08-10469
R-16	541	866.1	07/18/09	WG	Oxidation Reduction Potential	89.3	mV	CAMO-09-9306
R-16	541	866.1	07/18/09	WG	Oxidation Reduction Potential	75.6	mV	CAMO-09-9304
R-16	541	866.1	07/18/09	WG	Oxidation Reduction Potential	103	mV	CAMO-09-9301
R-16	541	866.1	07/18/09	WG	pH	8.33	SU	CAMO-09-9306
R-16	541	866.1	07/18/09	WG	pH	8.37	SU	CAMO-09-9304
R-16	541	866.1	07/18/09	WG	pH	8.38	SU	CAMO-09-9301
R-16	541	866.1	02/03/09	WG	pH	8.95	SU	CAMO-09-2637
R-16	541	866.1	08/12/08	WG	pH	8.21	SU	CAMO-08-14842
R-16	541	866.1	05/13/08	WG	pH	8.73	SU	CAMO-08-12783
R-16	541	866.1	02/13/08	WG	pH	8.88	SU	CAMO-08-10469
R-16	541	866.1	07/18/09	WG	Specific Conductance	525	μS/cm	CAMO-09-9306
R-16	541	866.1	07/18/09	WG	Specific Conductance	527	μS/cm	CAMO-09-9304

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	541	866.1	07/18/09	WG	Specific Conductance	515	µS/cm	CAMO-09-9301
R-16	541	866.1	02/03/09	WG	Specific Conductance	168	µS/cm	CAMO-09-2637
R-16	541	866.1	08/12/08	WG	Specific Conductance	175.9	µS/cm	CAMO-08-14842
R-16	541	866.1	05/13/08	WG	Specific Conductance	97.9	µS/cm	CAMO-08-12783
R-16	541	866.1	02/13/08	WG	Specific Conductance	154.8	µS/cm	CAMO-08-10469
R-16	541	866.1	07/18/09	WG	Temperature	24.3	deg C	CAMO-09-9306
R-16	541	866.1	07/18/09	WG	Temperature	24	deg C	CAMO-09-9304
R-16	541	866.1	07/18/09	WG	Temperature	23.3	deg C	CAMO-09-9301
R-16	541	866.1	02/03/09	WG	Temperature	20.31	deg C	CAMO-09-2637
R-16	541	866.1	08/12/08	WG	Temperature	26.3	deg C	CAMO-08-14842
R-16	541	866.1	05/13/08	WG	Temperature	25	deg C	CAMO-08-12783
R-16	541	866.1	02/13/08	WG	Temperature	21.3	deg C	CAMO-08-10469
R-16	541	866.1	07/18/09	WG	Turbidity	0.61	NTU	CAMO-09-9306
R-16	541	866.1	07/18/09	WG	Turbidity	62	NTU	CAMO-09-9304
R-16	541	866.1	07/18/09	WG	Turbidity	5.21	NTU	CAMO-09-9301
R-16	541	866.1	02/03/09	WG	Turbidity	0.46	NTU	CAMO-09-2637
R-16	541	866.1	08/12/08	WG	Turbidity	0.59	NTU	CAMO-08-14842
R-16	541	866.1	05/13/08	WG	Turbidity	0.3	NTU	CAMO-08-12783
R-16	541	866.1	02/13/08	WG	Turbidity	0.34	NTU	CAMO-08-10469
R-16	641	1238	07/17/09	WG	Dissolved Oxygen	5.23	mg/L	CAMO-09-9314
R-16	641	1238	07/17/09	WG	Dissolved Oxygen	5.5	mg/L	CAMO-09-9312
R-16	641	1238	02/03/09	WG	Dissolved Oxygen	7.06	mg/L	CAMO-09-2641
R-16	641	1238	11/03/08	WG	Dissolved Oxygen	3.5	mg/L	CAMO-09-823
R-16	641	1238	05/12/08	WG	Dissolved Oxygen	98.2	mg/L	CAMO-08-12809
R-16	641	1238	02/12/08	WG	Dissolved Oxygen	5.4	mg/L	CAMO-08-10470
R-16	641	1238	07/17/09	WG	Oxidation Reduction Potential	219	mV	CAMO-09-9314

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	641	1238	07/17/09	WG	Oxidation Reduction Potential	205.8	mV	CAMO-09-9312
R-16	641	1238	07/17/09	WG	pH	8.29	SU	CAMO-09-9314
R-16	641	1238	07/17/09	WG	pH	8.47	SU	CAMO-09-9312
R-16	641	1238	02/03/09	WG	pH	9.26	SU	CAMO-09-2641
R-16	641	1238	11/03/08	WG	pH	9.26	SU	CAMO-09-823
R-16	641	1238	05/12/08	WG	pH	9.02	SU	CAMO-08-12809
R-16	641	1238	02/12/08	WG	pH	9.11	SU	CAMO-08-10470
R-16	641	1238	07/17/09	WG	Specific Conductance	575	µS/cm	CAMO-09-9314
R-16	641	1238	07/17/09	WG	Specific Conductance	557	µS/cm	CAMO-09-9312
R-16	641	1238	02/03/09	WG	Specific Conductance	214	µS/cm	CAMO-09-2641
R-16	641	1238	11/03/08	WG	Specific Conductance	312	µS/cm	CAMO-09-823
R-16	641	1238	05/12/08	WG	Specific Conductance	250	µS/cm	CAMO-08-12809
R-16	641	1238	02/12/08	WG	Specific Conductance	220	µS/cm	CAMO-08-10470
R-16	641	1238	07/17/09	WG	Temperature	25.8	deg C	CAMO-09-9314
R-16	641	1238	07/17/09	WG	Temperature	22.99	deg C	CAMO-09-9312
R-16	641	1238	02/03/09	WG	Temperature	20.81	deg C	CAMO-09-2641
R-16	641	1238	11/03/08	WG	Temperature	20.5	deg C	CAMO-09-823
R-16	641	1238	05/12/08	WG	Temperature	25.7	deg C	CAMO-08-12809
R-16	641	1238	02/12/08	WG	Temperature	21	deg C	CAMO-08-10470
R-16	641	1238	07/17/09	WG	Turbidity	0.99	NTU	CAMO-09-9314
R-16	641	1238	07/17/09	WG	Turbidity	4.01	NTU	CAMO-09-9312
R-16	641	1238	02/03/09	WG	Turbidity	0.41	NTU	CAMO-09-2641
R-16	641	1238	11/03/08	WG	Turbidity	1.34	NTU	CAMO-09-823
R-16	641	1238	05/12/08	WG	Turbidity	0.55	NTU	CAMO-08-12809
R-16	641	1238	02/12/08	WG	Turbidity	0.53	NTU	CAMO-08-10470
R-16r	6341	600	08/11/09	WG	Dissolved Oxygen	5.17	mg/L	CAMO-09-9556

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16r	6341	600	05/04/09	WG	Dissolved Oxygen	4.75	mg/L	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Dissolved Oxygen	5.94	mg/L	CAMO-09-2619
R-16r	6341	600	11/04/08	WG	Dissolved Oxygen	5.37	mg/L	CAMO-09-801
R-16r	6341	600	08/11/08	WG	Dissolved Oxygen	5.52	mg/L	CAMO-08-14516
R-16r	6341	600	08/11/09	WG	Oxidation Reduction Potential	188	mV	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Oxidation Reduction Potential	356.7	mV	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Oxidation Reduction Potential	25.12	mV	CAMO-09-2619
R-16r	6341	600	11/04/08	WG	Oxidation Reduction Potential	211	mV	CAMO-09-801
R-16r	6341	600	08/11/08	WG	Oxidation Reduction Potential	223	mV	CAMO-08-14516
R-16r	6341	600	08/11/09	WG	pH	8.3	SU	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	pH	8.01	SU	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	pH	7.84	SU	CAMO-09-2619
R-16r	6341	600	11/04/08	WG	pH	8.13	SU	CAMO-09-801
R-16r	6341	600	08/11/09	WG	Specific Conductance	176	µS/cm	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Specific Conductance	159	µS/cm	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Specific Conductance	174	µS/cm	CAMO-09-2619
R-16r	6341	600	11/04/08	WG	Specific Conductance	161.2	µS/cm	CAMO-09-801
R-16r	6341	600	08/11/09	WG	Temperature	20.96	deg C	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Temperature	21.65	deg C	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Temperature	20.23	deg C	CAMO-09-2619
R-16r	6341	600	11/04/08	WG	Temperature	21.2	deg C	CAMO-09-801
R-16r	6341	600	08/11/08	WG	Temperature	20.8	deg C	CAMO-08-14516
R-16r	6341	600	08/11/09	WG	Turbidity	1.32	NTU	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Turbidity	0.42	NTU	CAMO-09-8192
R-16r	6341	600	02/13/09	WG	Turbidity	0.56	NTU	CAMO-09-2619
R-16r	6341	600	11/04/08	WG	Turbidity	0.8	NTU	CAMO-09-801

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16r	6341	600	08/11/08	WG	Turbidity	0.35	NTU	CAMO-08-14516
R-28	1781	934.3	08/13/09	WG	Dissolved Oxygen	5.57	mg/L	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Dissolved Oxygen	5.55	mg/L	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Dissolved Oxygen	5.49	mg/L	CAMO-09-2625
R-28	1781	934.3	02/10/09	WG	Dissolved Oxygen	5.49	mg/L	CAMO-09-11414
R-28	1781	934.3	11/10/08	WG	Dissolved Oxygen	7.16	mg/L	CAMO-09-808
R-28	1781	934.3	08/15/08	WG	Dissolved Oxygen	6.24	mg/L	CAMO-08-14543
R-28	1781	934.3	08/13/09	WG	Oxidation Reduction Potential	257.7	mV	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Oxidation Reduction Potential	132.8	mV	CAMO-09-8177
R-28	1781	934.3	11/10/08	WG	Oxidation Reduction Potential	217	mV	CAMO-09-808
R-28	1781	934.3	08/15/08	WG	Oxidation Reduction Potential	244	mV	CAMO-08-14543
R-28	1781	934.3	05/14/08	WG	Oxidation Reduction Potential	274	mV	CAMO-08-12768
R-28	1781	934.3	08/13/09	WG	pH	7.58	SU	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	pH	7.95	SU	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	pH	7.79	SU	CAMO-09-11414
R-28	1781	934.3	02/10/09	WG	pH	7.79	SU	CAMO-09-2625
R-28	1781	934.3	11/10/08	WG	pH	7.83	SU	CAMO-09-808
R-28	1781	934.3	08/13/09	WG	Specific Conductance	411	μS/cm	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Specific Conductance	349	μS/cm	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Specific Conductance	396	μS/cm	CAMO-09-11414
R-28	1781	934.3	02/10/09	WG	Specific Conductance	396	μS/cm	CAMO-09-2625
R-28	1781	934.3	11/10/08	WG	Specific Conductance	382	μS/cm	CAMO-09-808
R-28	1781	934.3	08/13/09	WG	Temperature	22.14	deg C	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Temperature	21.58	deg C	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Temperature	20.68	deg C	CAMO-09-11414
R-28	1781	934.3	02/10/09	WG	Temperature	20.68	deg C	CAMO-09-2625

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-28	1781	934.3	11/10/08	WG	Temperature	19	deg C	CAMO-09-808
R-28	1781	934.3	08/15/08	WG	Temperature	21.4	deg C	CAMO-08-14543
R-28	1781	934.3	08/13/09	WG	Turbidity	0.56	NTU	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Turbidity	4.16	NTU	CAMO-09-8177
R-28	1781	934.3	02/10/09	WG	Turbidity	0.65	NTU	CAMO-09-2625
R-28	1781	934.3	02/10/09	WG	Turbidity	0.65	NTU	CAMO-09-11414
R-28	1781	934.3	11/10/08	WG	Turbidity	0.55	NTU	CAMO-09-808
R-28	1781	934.3	08/15/08	WG	Turbidity	0.58	NTU	CAMO-08-14543
R-33	5491	995.5	08/14/09	WG	Dissolved Oxygen	4.56	mg/L	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Dissolved Oxygen	4.53	mg/L	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Dissolved Oxygen	5.46	mg/L	CAMO-09-2865
R-33	5491	995.5	11/11/08	WG	Dissolved Oxygen	6.79	mg/L	CAMO-09-793
R-33	5491	995.5	08/14/08	WG	Dissolved Oxygen	3.9	mg/L	CAMO-08-14509
R-33	5491	995.5	08/14/09	WG	Oxidation Reduction Potential	110.3	mV	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Oxidation Reduction Potential	179.5	mV	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Oxidation Reduction Potential	165.3	mV	CAMO-09-2865
R-33	5491	995.5	11/11/08	WG	Oxidation Reduction Potential	7	mV	CAMO-09-793
R-33	5491	995.5	08/14/08	WG	Oxidation Reduction Potential	121	mV	CAMO-08-14509
R-33	5491	995.5	08/14/09	WG	pH	7.43	SU	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	pH	7.22	SU	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	pH	7.31	SU	CAMO-09-2865
R-33	5491	995.5	11/11/08	WG	pH	7.37	SU	CAMO-09-793
R-33	5491	995.5	08/14/08	WG	pH	7.62	SU	CAMO-08-14509
R-33	5491	995.5	08/14/09	WG	Specific Conductance	131	µS/cm	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Specific Conductance	128	µS/cm	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Specific Conductance	141	µS/cm	CAMO-09-2865

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5491	995.5	11/11/08	WG	Specific Conductance	148.5	µS/cm	CAMO-09-793
R-33	5491	995.5	08/14/08	WG	Specific Conductance	17.2	µS/cm	CAMO-08-14509
R-33	5491	995.5	08/14/09	WG	Temperature	20.4	deg C	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Temperature	22.21	deg C	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Temperature	19.12	deg C	CAMO-09-2865
R-33	5491	995.5	11/11/08	WG	Temperature	20.9	deg C	CAMO-09-793
R-33	5491	995.5	08/14/08	WG	Temperature	22.4	deg C	CAMO-08-14509
R-33	5491	995.5	08/14/09	WG	Turbidity	1.49	NTU	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Turbidity	0.88	NTU	CAMO-09-8200
R-33	5491	995.5	02/19/09	WG	Turbidity	1.24	NTU	CAMO-09-2865
R-33	5491	995.5	11/11/08	WG	Turbidity	1.28	NTU	CAMO-09-793
R-33	5491	995.5	08/14/08	WG	Turbidity	2.24	NTU	CAMO-08-14509
R-33	5501	1112.4	08/14/09	WG	Dissolved Oxygen	6.31	mg/L	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Dissolved Oxygen	5.52	mg/L	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Dissolved Oxygen	5.71	mg/L	CAMO-09-2868
R-33	5501	1112.4	11/11/08	WG	Dissolved Oxygen	6.49	mg/L	CAMO-09-796
R-33	5501	1112.4	08/14/08	WG	Dissolved Oxygen	6	mg/L	CAMO-08-14514
R-33	5501	1112.4	08/14/09	WG	pH	7.53	SU	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	pH	7.16	SU	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	pH	7.67	SU	CAMO-09-2868
R-33	5501	1112.4	11/11/08	WG	pH	7.5	SU	CAMO-09-796
R-33	5501	1112.4	08/14/08	WG	pH	7.73	SU	CAMO-08-14514
R-33	5501	1112.4	08/14/09	WG	Specific Conductance	131	µS/cm	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Specific Conductance	124	µS/cm	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Specific Conductance	128	µS/cm	CAMO-09-2868
R-33	5501	1112.4	11/11/08	WG	Specific Conductance	143.4	µS/cm	CAMO-09-796

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5501	1112.4	08/14/08	WG	Specific Conductance	16.43	µS/cm	CAMO-08-14514
R-33	5501	1112.4	08/14/09	WG	Temperature	21.5	deg C	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Temperature	21.88	deg C	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Temperature	21.31	deg C	CAMO-09-2868
R-33	5501	1112.4	11/11/08	WG	Temperature	20.7	deg C	CAMO-09-796
R-33	5501	1112.4	08/14/08	WG	Temperature	21.9	deg C	CAMO-08-14514
R-33	5501	1112.4	08/14/09	WG	Turbidity	0.91	NTU	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Turbidity	0.54	NTU	CAMO-09-8202
R-33	5501	1112.4	02/03/09	WG	Turbidity	0.43	NTU	CAMO-09-2868
R-33	5501	1112.4	11/11/08	WG	Turbidity	0.37	NTU	CAMO-09-796
R-33	5501	1112.4	08/14/08	WG	Turbidity	0.74	NTU	CAMO-08-14514
R-34	1791	883.7	08/12/09	WG	Dissolved Oxygen	4.26	mg/L	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Dissolved Oxygen	5.84	mg/L	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Dissolved Oxygen	4.72	mg/L	CAMO-09-2636
R-34	1791	883.7	11/04/08	WG	Dissolved Oxygen	3.94	mg/L	CAMO-09-818
R-34	1791	883.7	08/15/08	WG	Dissolved Oxygen	4.16	mg/L	CAMO-08-14546
R-34	1791	883.7	08/12/09	WG	Oxidation Reduction Potential	106.9	mV	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Oxidation Reduction Potential	187	mV	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Oxidation Reduction Potential	497.6	mV	CAMO-09-2636
R-34	1791	883.7	11/04/08	WG	Oxidation Reduction Potential	257	mV	CAMO-09-818
R-34	1791	883.7	08/15/08	WG	Oxidation Reduction Potential	279	mV	CAMO-08-14546
R-34	1791	883.7	08/12/09	WG	pH	8.03	SU	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	pH	8.12	SU	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	pH	8.28	SU	CAMO-09-2636
R-34	1791	883.7	11/04/08	WG	pH	8.32	SU	CAMO-09-818
R-34	1791	883.7	08/15/08	WG	pH	8.36	SU	CAMO-08-14546

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-34	1791	883.7	08/12/09	WG	Specific Conductance	159	µS/cm	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Specific Conductance	178	µS/cm	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Specific Conductance	154	µS/cm	CAMO-09-2636
R-34	1791	883.7	11/04/08	WG	Specific Conductance	139.3	µS/cm	CAMO-09-818
R-34	1791	883.7	08/15/08	WG	Specific Conductance	134.9	µS/cm	CAMO-08-14546
R-34	1791	883.7	08/12/09	WG	Temperature	25	deg C	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Temperature	22.58	deg C	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Temperature	20.64	deg C	CAMO-09-2636
R-34	1791	883.7	11/04/08	WG	Temperature	21.2	deg C	CAMO-09-818
R-34	1791	883.7	08/15/08	WG	Temperature	22.3	deg C	CAMO-08-14546
R-34	1791	883.7	08/12/09	WG	Turbidity	3.54	NTU	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Turbidity	4.52	NTU	CAMO-09-8189
R-34	1791	883.7	02/12/09	WG	Turbidity	1.6	NTU	CAMO-09-2636
R-34	1791	883.7	11/04/08	WG	Turbidity	4.9	NTU	CAMO-09-818
R-34	1791	883.7	08/15/08	WG	Turbidity	4.25	NTU	CAMO-08-14546
R-42	8591	931.8	08/14/09	WG	Dissolved Oxygen	6.75	mg/L	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Dissolved Oxygen	6.19	mg/L	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Dissolved Oxygen	4.78	mg/L	CAMO-09-2870
R-42	8591	931.8	11/20/08	WG	Dissolved Oxygen	6.27	mg/L	CAMO-09-828
R-42	8591	931.8	10/09/08	WG	Dissolved Oxygen	4.02	mg/L	CAMO-08-16440
R-42	8591	931.8	08/14/09	WG	Oxidation Reduction Potential	186.5	mV	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Oxidation Reduction Potential	297.1	mV	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Oxidation Reduction Potential	350.8	mV	CAMO-09-2870
R-42	8591	931.8	11/20/08	WG	Oxidation Reduction Potential	462	mV	CAMO-09-828
R-42	8591	931.8	10/09/08	WG	Oxidation Reduction Potential	332	mV	CAMO-08-16440
R-42	8591	931.8	08/14/09	WG	pH	7.35	SU	CAMO-09-9568

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-42	8591	931.8	05/11/09	WG	pH	7.13	SU	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	pH	7.6	SU	CAMO-09-2870
R-42	8591	931.8	11/20/08	WG	pH	7.92	SU	CAMO-09-828
R-42	8591	931.8	10/09/08	WG	pH	7.77	SU	CAMO-08-16440
R-42	8591	931.8	08/14/09	WG	Specific Conductance	432	µS/cm	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Specific Conductance	363	µS/cm	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Specific Conductance	393	µS/cm	CAMO-09-2870
R-42	8591	931.8	11/20/08	WG	Specific Conductance	435	µS/cm	CAMO-09-828
R-42	8591	931.8	10/09/08	WG	Specific Conductance	413	µS/cm	CAMO-08-16440
R-42	8591	931.8	08/14/09	WG	Temperature	19.42	deg C	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Temperature	19.94	deg C	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Temperature	19.58	deg C	CAMO-09-2870
R-42	8591	931.8	11/20/08	WG	Temperature	19.4	deg C	CAMO-09-828
R-42	8591	931.8	10/09/08	WG	Temperature	22.7	deg C	CAMO-08-16440
R-44	8671	895	08/17/09	WG	Dissolved Oxygen	5.22	mg/L	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Dissolved Oxygen	6.1	mg/L	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Dissolved Oxygen	10.52	mg/L	CAMO-09-4437
R-44	8671	895	08/17/09	WG	Oxidation Reduction Potential	103.3	mV	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Oxidation Reduction Potential	96.8	mV	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Oxidation Reduction Potential	475.2	mV	CAMO-09-4437
R-44	8671	895	08/17/09	WG	pH	7.42	SU	CAMO-09-9922
R-44	8671	895	07/14/09	WG	pH	7.53	SU	CAMO-09-11387
R-44	8671	895	02/17/09	WG	pH	7.5	SU	CAMO-09-4437
R-44	8671	895	08/17/09	WG	Specific Conductance	128	µS/cm	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Specific Conductance	125	µS/cm	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Specific Conductance	135	µS/cm	CAMO-09-4437

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-44	8671	895	08/17/09	WG	Temperature	22.22	deg C	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Temperature	21.35	deg C	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Temperature	19.62	deg C	CAMO-09-4437
R-44	8671	895	08/17/09	WG	Turbidity	5	NTU	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Turbidity	489	NTU	CAMO-09-11387
R-44	8671	895	02/17/09	WG	Turbidity	0.8	NTU	CAMO-09-4437
R-44	8681	985.3	08/17/09	WG	Dissolved Oxygen	5.35	mg/L	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Dissolved Oxygen	7.25	mg/L	CAMO-09-11395
R-44	8681	985.3	02/22/09	WG	Dissolved Oxygen	9.54	mg/L	CAMO-09-4441
R-44	8681	985.3	08/17/09	WG	Oxidation Reduction Potential	93	mV	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Oxidation Reduction Potential	104.7	mV	CAMO-09-11395
R-44	8681	985.3	02/22/09	WG	Oxidation Reduction Potential	85.7	mV	CAMO-09-4441
R-44	8681	985.3	08/17/09	WG	pH	7.38	SU	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	pH	7.82	SU	CAMO-09-11395
R-44	8681	985.3	02/22/09	WG	pH	7.81	SU	CAMO-09-4441
R-44	8681	985.3	08/17/09	WG	Specific Conductance	130	µS/cm	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Specific Conductance	137	µS/cm	CAMO-09-11395
R-44	8681	985.3	02/22/09	WG	Specific Conductance	135	µS/cm	CAMO-09-4441
R-44	8681	985.3	08/17/09	WG	Temperature	22.58	deg C	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Temperature	21.74	deg C	CAMO-09-11395
R-44	8681	985.3	02/22/09	WG	Temperature	18.58	deg C	CAMO-09-4441
R-44	8681	985.3	08/17/09	WG	Turbidity	4.47	NTU	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Turbidity	4.81	NTU	CAMO-09-11395
R-44	8681	985.3	02/22/09	WG	Turbidity	0.59	NTU	CAMO-09-4441
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

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8721	880	02/28/09	WG	Dissolved Oxygen	8.72	mg/L	CAMO-09-4583
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	02/28/09	WG	Oxidation Reduction Potential	155.4	mV	CAMO-09-4583
R-45	8721	880	08/19/09	WG	pH	7.61	SU	CAMO-09-10254
R-45	8721	880	07/16/09	WG	pH	7.62	SU	CAMO-09-11401
R-45	8721	880	02/28/09	WG	pH	7.92	SU	CAMO-09-4583
R-45	8721	880	08/19/09	WG	Specific Conductance	170	µS/cm	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Specific Conductance	175	µS/cm	CAMO-09-11401
R-45	8721	880	02/28/09	WG	Specific Conductance	163	µS/cm	CAMO-09-4583
R-45	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	02/28/09	WG	Temperature	16.93	deg C	CAMO-09-4583
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	8721	880	02/28/09	WG	Turbidity	4.2	NTU	CAMO-09-4583
R-45	8731	974.9	08/19/09	WG	Dissolved Oxygen	5.43	mg/L	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Dissolved Oxygen	4.27	mg/L	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Dissolved Oxygen	6.44	mg/L	CAMO-09-4588
R-45	8731	974.9	08/19/09	WG	Oxidation Reduction Potential	128.6	mV	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Oxidation Reduction Potential	157.3	mV	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Oxidation Reduction Potential	94.3	mV	CAMO-09-4588
R-45	8731	974.9	08/19/09	WG	pH	7.88	SU	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	pH	8.03	SU	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	pH	8.13	SU	CAMO-09-4588
R-45	8731	974.9	08/19/09	WG	Specific Conductance	173	µS/cm	CAMO-09-10256

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8731	974.9	07/16/09	WG	Specific Conductance	176	µS/cm	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Specific Conductance	138	µS/cm	CAMO-09-4588
R-45	8731	974.9	08/19/09	WG	Temperature	22.23	deg C	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Temperature	22.3	deg C	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Temperature	17.3	deg C	CAMO-09-4588
R-45	8731	974.9	08/19/09	WG	Turbidity	1.03	NTU	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Turbidity	4.93	NTU	CAMO-09-11412
R-45	8731	974.9	03/05/09	WG	Turbidity	3.3	NTU	CAMO-09-4588
R-46	8741	1340	08/10/09	WG	Dissolved Oxygen	6.5	mg/L	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Dissolved Oxygen	6.45	mg/L	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Dissolved Oxygen	8.05	mg/L	CAMO-09-8218
R-46	8741	1340	03/11/09	WG	Dissolved Oxygen	7.1	mg/L	CAMO-09-5490
R-46	8741	1340	08/10/09	WG	Oxidation Reduction Potential	43.7	mV	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Oxidation Reduction Potential	110.8	mV	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Oxidation Reduction Potential	231.8	mV	CAMO-09-8218
R-46	8741	1340	03/11/09	WG	Oxidation Reduction Potential	45.2	mV	CAMO-09-5490
R-46	8741	1340	08/10/09	WG	pH	7.74	SU	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	pH	7.59	SU	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	pH	7.04	SU	CAMO-09-8218
R-46	8741	1340	03/11/09	WG	pH	8.02	SU	CAMO-09-5490
R-46	8741	1340	08/10/09	WG	Specific Conductance	124	µS/cm	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Specific Conductance	126	µS/cm	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Specific Conductance	125	µS/cm	CAMO-09-8218
R-46	8741	1340	03/11/09	WG	Specific Conductance	105	µS/cm	CAMO-09-5490
R-46	8741	1340	08/10/09	WG	Temperature	22.1	deg C	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Temperature	21.97	deg C	CAMO-09-10498

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-46	8741	1340	05/13/09	WG	Temperature	22.03	deg C	CAMO-09-8218
R-46	8741	1340	03/11/09	WG	Temperature	19.42	deg C	CAMO-09-5490
R-46	8741	1340	08/10/09	WG	Turbidity	3.01	NTU	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Turbidity	3.96	NTU	CAMO-09-10498
R-46	8741	1340	05/13/09	WG	Turbidity	13.2	NTU	CAMO-09-8218
R-46	8741	1340	03/11/09	WG	Turbidity	6.1	NTU	CAMO-09-5490
Test Well 8	4731	953	05/19/08	WG	pH	8.28	SU	CAMO-08-12747
Test Well 8	4731	953	02/12/08	WG	pH	8.17	SU	CAMO-08-10529
Test Well 8	4731	953	05/19/08	WG	Specific Conductance	134.2	µS/cm	CAMO-08-12747
Test Well 8	4731	953	02/12/08	WG	Specific Conductance	133.3	µS/cm	CAMO-08-10529
TS-2E	n/a	n/a	08/18/09	WS	Dissolved Oxygen	4.38	mg/L	CAMO-09-9454
TS-2E	n/a	n/a	08/14/08	WS	Dissolved Oxygen	7.53	mg/L	CAMO-08-14431
TS-2E	n/a	n/a	02/21/08	WS	Dissolved Oxygen	8	mg/L	CAMO-08-10874
TS-2E	n/a	n/a	03/05/07	WS	Dissolved Oxygen	7	mg/L	FU07020PE2ST01
TS-2E	n/a	n/a	10/24/06	WS	Dissolved Oxygen	2.6	mg/L	FU06090PE2ST01
TS-2E	n/a	n/a	08/18/09	WS	pH	6.91	SU	CAMO-09-9454
TS-2E	n/a	n/a	08/14/08	WS	pH	7.96	SU	CAMO-08-14431
TS-2E	n/a	n/a	02/21/08	WS	pH	7.05	SU	CAMO-08-10874
TS-2E	n/a	n/a	03/05/07	WS	pH	7.15	SU	FU07020PE2ST01
TS-2E	n/a	n/a	10/24/06	WS	pH	7.03	SU	FU06090PE2ST01
TS-2E	n/a	n/a	08/18/09	WS	Specific Conductance	188	µS/cm	CAMO-09-9454
TS-2E	n/a	n/a	08/14/08	WS	Specific Conductance	40.5	µS/cm	CAMO-08-14431
TS-2E	n/a	n/a	02/21/08	WS	Specific Conductance	145.2	µS/cm	CAMO-08-10874
TS-2E	n/a	n/a	03/05/07	WS	Specific Conductance	139.1	µS/cm	FU07020PE2ST01
TS-2E	n/a	n/a	10/24/06	WS	Specific Conductance	210	µS/cm	FU06090PE2ST01
TS-2E	n/a	n/a	08/18/09	WS	Temperature	12.25	deg C	CAMO-09-9454

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
TS-2E	n/a	n/a	08/14/08	WS	Temperature	17.3	deg C	CAMO-08-14431
TS-2E	n/a	n/a	02/21/08	WS	Temperature	0.4	deg C	CAMO-08-10874
TS-2E	n/a	n/a	03/05/07	WS	Temperature	0.4	deg C	FU07020PE2ST01
TS-2E	n/a	n/a	10/24/06	WS	Temperature	4	deg C	FU06090PE2ST01
TS-2E	n/a	n/a	08/18/09	WS	Turbidity	3.75	NTU	CAMO-09-9454
TS-2E	n/a	n/a	08/14/08	WS	Turbidity	29.6	NTU	CAMO-08-14431
TS-2E	n/a	n/a	02/21/08	WS	Turbidity	29.6	NTU	CAMO-08-10874
TS-2E	n/a	n/a	03/05/07	WS	Turbidity	201	NTU	FU07020PE2ST01
TS-2E	n/a	n/a	10/24/06	WS	Turbidity	2.93	NTU	FU06090PE2ST01

n/a = Not applicable.

μ S/cm = Microsiemens per centimeter.

mV = Millivolt.

NTU = Nephelometric turbidity unit.

SU = Standard unit.

WG = Groundwater.

WM = Snowmelt.

WS = Surface water.

WP = Persistent water.

**Table A-2
Sandia Field Parameters**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	Dissolved Oxygen	6.37	mg/L	CASA-08-14334
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	Dissolved Oxygen	8.06	mg/L	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	Dissolved Oxygen	8.93	mg/L	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	Dissolved Oxygen	12.6	mg/L	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	Dissolved Oxygen	9.46	mg/L	CASA-09-838
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	Specific Conductance	527	µS/cm	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	Specific Conductance	628	µS/cm	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	Specific Conductance	516	µS/cm	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	Specific Conductance	572	µS/cm	CASA-09-838
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	Temperature	19.1	deg C	CASA-08-14334
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	Temperature	15.04	deg C	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	Temperature	19.38	deg C	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	Temperature	0.76	deg C	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	Temperature	6	deg C	CASA-09-838
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	Turbidity	7.71	NTU	CASA-08-14334

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	Turbidity	3.24	NTU	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	Turbidity	3.32	NTU	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	Turbidity	6.89	NTU	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	Turbidity	4.7	NTU	CASA-09-838
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	pH	8.06	SU	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	pH	8.57	SU	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	pH	8.19	SU	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	pH	8.14	SU	CASA-09-838
R-10a	6371	690	08/13/08	WG	Dissolved Oxygen	5.1	mg/L	CASA-08-14378
R-10a	6371	690	08/12/09	WG	Dissolved Oxygen	4.75	mg/L	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Dissolved Oxygen	6.08	mg/L	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Dissolved Oxygen	6.45	mg/L	CASA-09-2792
R-10a	6371	690	11/03/08	WG	Dissolved Oxygen	4.2	mg/L	CASA-09-880
R-10a	6371	690	08/13/08	WG	Oxidation Reduction Potential	284	mV	CASA-08-14378
R-10a	6371	690	08/12/09	WG	Oxidation Reduction Potential	425.9	mV	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Oxidation Reduction Potential	327	mV	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Oxidation Reduction Potential	343.9	mV	CASA-09-2792
R-10a	6371	690	11/03/08	WG	Oxidation Reduction Potential	169	mV	CASA-09-880
R-10a	6371	690	08/13/08	WG	Specific Conductance	240	µS/cm	CASA-08-14378
R-10a	6371	690	08/12/09	WG	Specific Conductance	224	µS/cm	CASA-09-10359

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-10a	6371	690	05/12/09	WG	Specific Conductance	263	µS/cm	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Specific Conductance	240	µS/cm	CASA-09-2792
R-10a	6371	690	11/03/08	WG	Specific Conductance	219	µS/cm	CASA-09-880
R-10a	6371	690	08/13/08	WG	Temperature	21.6	deg C	CASA-08-14378
R-10a	6371	690	08/12/09	WG	Temperature	22.3	deg C	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Temperature	21.5	deg C	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Temperature	20.8	deg C	CASA-09-2792
R-10a	6371	690	11/03/08	WG	Temperature	21.4	deg C	CASA-09-880
R-10a	6371	690	08/13/08	WG	Turbidity	1.45	NTU	CASA-08-14378
R-10a	6371	690	08/12/09	WG	Turbidity	0.79	NTU	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Turbidity	0.85	NTU	CASA-09-8272
R-10a	6371	690	02/12/09	WG	Turbidity	0.57	NTU	CASA-09-2792
R-10a	6371	690	11/03/08	WG	Turbidity	1.12	NTU	CASA-09-880
R-10a	6371	690	08/13/08	WG	pH	7.75	SU	CASA-08-14378
R-10a	6371	690	08/12/09	WG	pH	7.65	SU	CASA-09-10359
R-10a	6371	690	05/12/09	WG	pH	7.73	SU	CASA-09-8272
R-10a	6371	690	02/12/09	WG	pH	7.82	SU	CASA-09-2792
R-10a	6371	690	11/03/08	WG	pH	7.91	SU	CASA-09-880
R-11	5531	855	08/10/09	WG	Dissolved Oxygen	4.81	mg/L	CASA-09-10366
R-11	5531	855	04/29/09	WG	Dissolved Oxygen	6.11	mg/L	CASA-09-8274
R-11	5531	855	02/05/09	WG	Dissolved Oxygen	5.8	mg/L	CASA-09-2783
R-11	5531	855	11/05/08	WG	Dissolved Oxygen	5.73	mg/L	CASA-09-882
R-11	5531	855	08/11/08	WG	Dissolved Oxygen	6.63	mg/L	CASA-08-14381
R-11	5531	855	08/10/09	WG	Oxidation Reduction Potential	162.3	mV	CASA-09-10366
R-11	5531	855	04/29/09	WG	Oxidation Reduction Potential	137	mV	CASA-09-8274
R-11	5531	855	02/05/09	WG	Oxidation Reduction Potential	342.1	mV	CASA-09-2783

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-11	5531	855	11/05/08	WG	Oxidation Reduction Potential	388	mV	CASA-09-882
R-11	5531	855	08/11/08	WG	Oxidation Reduction Potential	275	mV	CASA-08-14381
R-11	5531	855	08/10/09	WG	Specific Conductance	226	µS/cm	CASA-09-10366
R-11	5531	855	04/29/09	WG	Specific Conductance	237	µS/cm	CASA-09-8274
R-11	5531	855	02/05/09	WG	Specific Conductance	238	µS/cm	CASA-09-2783
R-11	5531	855	11/05/08	WG	Specific Conductance	195.6	µS/cm	CASA-09-882
R-11	5531	855	08/11/08	WG	Specific Conductance	196.7	µS/cm	CASA-08-14381
R-11	5531	855	08/10/09	WG	Temperature	22.62	deg C	CASA-09-10366
R-11	5531	855	04/29/09	WG	Temperature	23.3	deg C	CASA-09-8274
R-11	5531	855	02/05/09	WG	Temperature	21.71	deg C	CASA-09-2783
R-11	5531	855	11/05/08	WG	Temperature	20.9	deg C	CASA-09-882
R-11	5531	855	08/11/08	WG	Temperature	22.1	deg C	CASA-08-14381
R-11	5531	855	08/10/09	WG	Turbidity	0.45	NTU	CASA-09-10366
R-11	5531	855	04/29/09	WG	Turbidity	0.47	NTU	CASA-09-8274
R-11	5531	855	02/05/09	WG	Turbidity	0.3	NTU	CASA-09-2783
R-11	5531	855	11/05/08	WG	Turbidity	0.1	NTU	CASA-09-882
R-11	5531	855	08/11/08	WG	Turbidity	0.4	NTU	CASA-08-14381
R-11	5531	855	08/10/09	WG	pH	7.89	SU	CASA-09-10366
R-11	5531	855	04/29/09	WG	pH	7.95	SU	CASA-09-8274
R-11	5531	855	02/05/09	WG	pH	7.86	SU	CASA-09-2783
R-11	5531	855	11/05/08	WG	pH	7.96	SU	CASA-09-882
R-11	5531	855	08/11/08	WG	pH	8.02	SU	CASA-08-14381
R-12	8401	459	08/05/09	WG	Dissolved Oxygen	1.11	mg/L	CASA-09-10380
R-12	8401	459	05/07/09	WG	Dissolved Oxygen	1.5	mg/L	CASA-09-8276
R-12	8401	459	02/20/09	WG	Dissolved Oxygen	0.17	mg/L	CASA-09-3011
R-12	8401	459	11/12/08	WG	Dissolved Oxygen	0.49	mg/L	CASA-09-874

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-12	8401	459	08/20/08	WG	Dissolved Oxygen	0.86	mg/L	CASA-08-14847
R-12	8401	459	08/05/09	WG	Oxidation Reduction Potential	-219.2	mV	CASA-09-10380
R-12	8401	459	05/07/09	WG	Oxidation Reduction Potential	-190.6	mV	CASA-09-8276
R-12	8401	459	02/20/09	WG	Oxidation Reduction Potential	-16	mV	CASA-09-3011
R-12	8401	459	11/12/08	WG	Oxidation Reduction Potential	88	mV	CASA-09-874
R-12	8401	459	08/20/08	WG	Oxidation Reduction Potential	-155	mV	CASA-08-14847
R-12	8401	459	08/05/09	WG	Specific Conductance	208	µS/cm	CASA-09-10380
R-12	8401	459	05/07/09	WG	Specific Conductance	220	µS/cm	CASA-09-8276
R-12	8401	459	02/20/09	WG	Specific Conductance	197	µS/cm	CASA-09-3011
R-12	8401	459	11/12/08	WG	Specific Conductance	204	µS/cm	CASA-09-874
R-12	8401	459	08/20/08	WG	Specific Conductance	179.5	µS/cm	CASA-08-14847
R-12	8401	459	08/05/09	WG	Temperature	18.24	deg C	CASA-09-10380
R-12	8401	459	05/07/09	WG	Temperature	18.19	deg C	CASA-09-8276
R-12	8401	459	02/20/09	WG	Temperature	17.04	deg C	CASA-09-3011
R-12	8401	459	11/12/08	WG	Temperature	18.3	deg C	CASA-09-874
R-12	8401	459	08/20/08	WG	Temperature	18.3	deg C	CASA-08-14847
R-12	8401	459	08/05/09	WG	Turbidity	0.56	NTU	CASA-09-10380
R-12	8401	459	05/07/09	WG	Turbidity	0.91	NTU	CASA-09-8276
R-12	8401	459	02/20/09	WG	Turbidity	0.87	NTU	CASA-09-3011
R-12	8401	459	11/12/08	WG	Turbidity	0.51	NTU	CASA-09-874
R-12	8401	459	08/20/08	WG	Turbidity	2.57	NTU	CASA-08-14847
R-12	8401	459	08/05/09	WG	pH	8.17	SU	CASA-09-10380
R-12	8401	459	05/07/09	WG	pH	7.88	SU	CASA-09-8276
R-12	8401	459	02/20/09	WG	pH	7.93	SU	CASA-09-3011
R-12	8401	459	11/12/08	WG	pH	8.05	SU	CASA-09-874
R-12	8401	459	08/20/08	WG	pH	8.01	SU	CASA-08-14847

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-12	8411	504.5	08/05/09	WG	Dissolved Oxygen	3.27	mg/L	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Dissolved Oxygen	4.94	mg/L	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-9290
R-12	8411	504.5	02/11/09	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-3010
R-12	8411	504.5	11/13/08	WG	Dissolved Oxygen	5.31	mg/L	CASA-09-865
R-12	8411	504.5	08/19/08	WG	Dissolved Oxygen	5	mg/L	CASA-08-14365
R-12	8411	504.5	08/05/09	WG	Oxidation Reduction Potential	-52.6	mV	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Oxidation Reduction Potential	15.7	mV	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Oxidation Reduction Potential	376.9	mV	CASA-09-9290
R-12	8411	504.5	02/11/09	WG	Oxidation Reduction Potential	376.9	mV	CASA-09-3010
R-12	8411	504.5	11/13/08	WG	Oxidation Reduction Potential	77	mV	CASA-09-865
R-12	8411	504.5	08/19/08	WG	Oxidation Reduction Potential	-10	mV	CASA-08-14365
R-12	8411	504.5	08/05/09	WG	Specific Conductance	184	µS/cm	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Specific Conductance	177	µS/cm	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Specific Conductance	169	µS/cm	CASA-09-9290
R-12	8411	504.5	02/11/09	WG	Specific Conductance	169	µS/cm	CASA-09-3010
R-12	8411	504.5	11/13/08	WG	Specific Conductance	173.7	µS/cm	CASA-09-865
R-12	8411	504.5	08/19/08	WG	Specific Conductance	138.1	µS/cm	CASA-08-14365
R-12	8411	504.5	08/05/09	WG	Temperature	22.98	deg C	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Temperature	20.9	deg C	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	Temperature	19.74	deg C	CASA-09-9290
R-12	8411	504.5	02/11/09	WG	Temperature	19.74	deg C	CASA-09-3010
R-12	8411	504.5	11/13/08	WG	Temperature	19	deg C	CASA-09-865
R-12	8411	504.5	08/19/08	WG	Temperature	21.1	deg C	CASA-08-14365
R-12	8411	504.5	08/05/09	WG	Turbidity	0.51	NTU	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Turbidity	0.4	NTU	CASA-09-8279

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-12	8411	504.5	02/11/09	WG	Turbidity	0.37	NTU	CASA-09-3010
R-12	8411	504.5	02/11/09	WG	Turbidity	0.37	NTU	CASA-09-9290
R-12	8411	504.5	11/13/08	WG	Turbidity	0.38	NTU	CASA-09-865
R-12	8411	504.5	08/19/08	WG	Turbidity	0.5	NTU	CASA-08-14365
R-12	8411	504.5	08/05/09	WG	pH	8.28	SU	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	pH	8.14	SU	CASA-09-8279
R-12	8411	504.5	02/11/09	WG	pH	8.08	SU	CASA-09-3010
R-12	8411	504.5	02/11/09	WG	pH	8.08	SU	CASA-09-9290
R-12	8411	504.5	11/13/08	WG	pH	8.26	SU	CASA-09-865
R-12	8411	504.5	08/19/08	WG	pH	8.2	SU	CASA-08-14365
R-35a	8331	1013.1	08/03/09	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Dissolved Oxygen	3.92	mg/L	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Dissolved Oxygen	5.63	mg/L	CASA-09-3015
R-35a	8331	1013.1	11/06/08	WG	Dissolved Oxygen	4.36	mg/L	CASA-09-885
R-35a	8331	1013.1	08/12/08	WG	Dissolved Oxygen	4.6	mg/L	CASA-08-14391
R-35a	8331	1013.1	08/03/09	WG	Oxidation Reduction Potential	149.1	mV	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Oxidation Reduction Potential	295.6	mV	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Oxidation Reduction Potential	375.2	mV	CASA-09-3015
R-35a	8331	1013.1	11/06/08	WG	Oxidation Reduction Potential	249	mV	CASA-09-885
R-35a	8331	1013.1	08/12/08	WG	Oxidation Reduction Potential	215	mV	CASA-08-14391
R-35a	8331	1013.1	08/03/09	WG	Specific Conductance	275	μS/cm	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Specific Conductance	226	μS/cm	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Specific Conductance	232	μS/cm	CASA-09-3015
R-35a	8331	1013.1	11/06/08	WG	Specific Conductance	220	μS/cm	CASA-09-885
R-35a	8331	1013.1	08/12/08	WG	Specific Conductance	250	μS/cm	CASA-08-14391
R-35a	8331	1013.1	08/03/09	WG	Temperature	23.4	deg C	CASA-09-10387

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-35a	8331	1013.1	04/28/09	WG	Temperature	22.75	deg C	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Temperature	21.28	deg C	CASA-09-3015
R-35a	8331	1013.1	11/06/08	WG	Temperature	20.5	deg C	CASA-09-885
R-35a	8331	1013.1	08/12/08	WG	Temperature	23	deg C	CASA-08-14391
R-35a	8331	1013.1	08/03/09	WG	Turbidity	2.01	NTU	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Turbidity	1.01	NTU	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	Turbidity	1.22	NTU	CASA-09-3015
R-35a	8331	1013.1	11/06/08	WG	Turbidity	0.66	NTU	CASA-09-885
R-35a	8331	1013.1	08/12/08	WG	Turbidity	2.11	NTU	CASA-08-14391
R-35a	8331	1013.1	08/03/09	WG	pH	7.44	SU	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	pH	7.64	SU	CASA-09-8305
R-35a	8331	1013.1	02/04/09	WG	pH	7.68	SU	CASA-09-3015
R-35a	8331	1013.1	11/06/08	WG	pH	7.73	SU	CASA-09-885
R-35a	8331	1013.1	08/12/08	WG	pH	7.89	SU	CASA-08-14391
R-35b	8351	825.4	08/04/09	WG	Dissolved Oxygen	5.83	mg/L	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Dissolved Oxygen	6.59	mg/L	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Dissolved Oxygen	5.36	mg/L	CASA-09-3019
R-35b	8351	825.4	11/06/08	WG	Dissolved Oxygen	4.58	mg/L	CASA-09-887
R-35b	8351	825.4	08/12/08	WG	Dissolved Oxygen	9.9	mg/L	CASA-08-14384
R-35b	8351	825.4	08/04/09	WG	Oxidation Reduction Potential	437.5	mV	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Oxidation Reduction Potential	294.1	mV	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Oxidation Reduction Potential	451.4	mV	CASA-09-3019
R-35b	8351	825.4	11/06/08	WG	Oxidation Reduction Potential	301	mV	CASA-09-887
R-35b	8351	825.4	08/12/08	WG	Oxidation Reduction Potential	237	mV	CASA-08-14384
R-35b	8351	825.4	08/04/09	WG	Specific Conductance	175	µS/cm	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Specific Conductance	163	µS/cm	CASA-09-8309

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-35b	8351	825.4	02/02/09	WG	Specific Conductance	160	µS/cm	CASA-09-3019
R-35b	8351	825.4	08/04/09	WG	Temperature	22.74	deg C	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Temperature	22.05	deg C	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Temperature	21.3	deg C	CASA-09-3019
R-35b	8351	825.4	11/06/08	WG	Temperature	20.1	deg C	CASA-09-887
R-35b	8351	825.4	08/12/08	WG	Temperature	23	deg C	CASA-08-14384
R-35b	8351	825.4	08/04/09	WG	Turbidity	2.68	NTU	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Turbidity	0.79	NTU	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	Turbidity	1.14	NTU	CASA-09-3019
R-35b	8351	825.4	11/06/08	WG	Turbidity	1.44	NTU	CASA-09-887
R-35b	8351	825.4	08/12/08	WG	Turbidity	1.23	NTU	CASA-08-14384
R-35b	8351	825.4	08/04/09	WG	pH	7.3	SU	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	pH	7.54	SU	CASA-09-8309
R-35b	8351	825.4	02/02/09	WG	pH	7.46	SU	CASA-09-3019
R-36	8431	766.9	08/05/09	WG	Dissolved Oxygen	5.05	mg/L	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Dissolved Oxygen	5.58	mg/L	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Dissolved Oxygen	4.99	mg/L	CASA-09-3025
R-36	8431	766.9	11/06/08	WG	Dissolved Oxygen	4.79	mg/L	CASA-09-893
R-36	8431	766.9	08/12/08	WG	Dissolved Oxygen	5.79	mg/L	CASA-08-14396
R-36	8431	766.9	08/05/09	WG	Oxidation Reduction Potential	376	mV	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Oxidation Reduction Potential	169.4	mV	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Oxidation Reduction Potential	207.3	mV	CASA-09-3025
R-36	8431	766.9	11/06/08	WG	Oxidation Reduction Potential	194	mV	CASA-09-893
R-36	8431	766.9	08/12/08	WG	Oxidation Reduction Potential	244	mV	CASA-08-14396
R-36	8431	766.9	08/05/09	WG	Specific Conductance	201	µS/cm	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Specific Conductance	176	µS/cm	CASA-09-8311

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-36	8431	766.9	02/05/09	WG	Specific Conductance	214	µS/cm	CASA-09-3025
R-36	8431	766.9	11/06/08	WG	Specific Conductance	173.8	µS/cm	CASA-09-893
R-36	8431	766.9	08/12/08	WG	Specific Conductance	176.4	µS/cm	CASA-08-14396
R-36	8431	766.9	08/05/09	WG	Temperature	21.78	deg C	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Temperature	21.31	deg C	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Temperature	21.28	deg C	CASA-09-3025
R-36	8431	766.9	11/06/08	WG	Temperature	18.5	deg C	CASA-09-893
R-36	8431	766.9	08/12/08	WG	Temperature	21.2	deg C	CASA-08-14396
R-36	8431	766.9	08/05/09	WG	Turbidity	2.24	NTU	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Turbidity	1.1	NTU	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	Turbidity	2.94	NTU	CASA-09-3025
R-36	8431	766.9	11/06/08	WG	Turbidity	2.75	NTU	CASA-09-893
R-36	8431	766.9	08/12/08	WG	Turbidity	4.23	NTU	CASA-08-14396
R-36	8431	766.9	08/05/09	WG	pH	7.2	SU	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	pH	7.31	SU	CASA-09-8311
R-36	8431	766.9	02/05/09	WG	pH	7.52	SU	CASA-09-3025
R-36	8431	766.9	11/06/08	WG	pH	7.78	SU	CASA-09-893
R-36	8431	766.9	08/12/08	WG	pH	7.84	SU	CASA-08-14396
R-43	8651	903.9	08/18/09	WG	Dissolved Oxygen	6.02	mg/L	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Dissolved Oxygen	1.9	mg/L	CASA-09-1018
R-43	8651	903.9	08/18/09	WG	Oxidation Reduction Potential	125.6	mV	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Oxidation Reduction Potential	156	mV	CASA-09-1018
R-43	8651	903.9	08/18/09	WG	Specific Conductance	159	µS/cm	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Specific Conductance	186.2	µS/cm	CASA-09-1018
R-43	8651	903.9	08/18/09	WG	Temperature	21.41	deg C	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Temperature	18.5	deg C	CASA-09-1018

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-43	8651	903.9	08/18/09	WG	Turbidity	1.67	NTU	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Turbidity	7.3	NTU	CASA-09-1018
R-43	8651	903.9	08/18/09	WG	pH	7.88	SU	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	pH	8.56	SU	CASA-09-1018
R-43	8661	969.1	08/18/09	WG	Dissolved Oxygen	3.33	mg/L	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Dissolved Oxygen	6.66	mg/L	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Dissolved Oxygen	4.21	mg/L	CASA-09-1028
R-43	8661	969.1	08/18/09	WG	Oxidation Reduction Potential	93.9	mV	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Oxidation Reduction Potential	101.4	mV	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Oxidation Reduction Potential	143	mV	CASA-09-1028
R-43	8661	969.1	08/18/09	WG	Specific Conductance	167	µS/cm	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Specific Conductance	167	µS/cm	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Specific Conductance	189.9	µS/cm	CASA-09-1028
R-43	8661	969.1	08/18/09	WG	Temperature	21.19	deg C	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Temperature	21.61	deg C	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Temperature	17.8	deg C	CASA-09-1028
R-43	8661	969.1	08/18/09	WG	Turbidity	0.42	NTU	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Turbidity	2.15	NTU	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	Turbidity	10.1	NTU	CASA-09-1028
R-43	8661	969.1	08/18/09	WG	pH	8.09	SU	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	pH	8.44	SU	CAMO-09-10508
R-43	8661	969.1	11/10/08	WG	pH	8.42	SU	CASA-09-1028
SCA-1	7981	1.3	08/04/09	WG	Dissolved Oxygen	6.73	mg/L	CASA-09-10330
SCA-1	7981	1.3	04/29/09	WG	Dissolved Oxygen	3.95	mg/L	CASA-09-8242
SCA-1	7981	1.3	11/04/08	WG	Dissolved Oxygen	4	mg/L	CASA-09-852
SCA-1	7981	1.3	02/18/09	WG	Dissolved Oxygen	5.48	mg/L	CASA-09-2759

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-1	7981	1.3	05/19/08	WG	Dissolved Oxygen	4.5	mg/L	CASA-08-12829
SCA-1	7981	1.3	08/04/09	WG	Oxidation Reduction Potential	-134.7	mV	CASA-09-10330
SCA-1	7981	1.3	04/29/09	WG	Oxidation Reduction Potential	98.4	mV	CASA-09-8242
SCA-1	7981	1.3	11/04/08	WG	Oxidation Reduction Potential	76	mV	CASA-09-852
SCA-1	7981	1.3	02/18/09	WG	Oxidation Reduction Potential	260.7	mV	CASA-09-2759
SCA-1	7981	1.3	05/19/08	WG	Oxidation Reduction Potential	33	mV	CASA-08-12829
SCA-1	7981	1.3	08/04/09	WG	Specific Conductance	815	µS/cm	CASA-09-10330
SCA-1	7981	1.3	04/29/09	WG	Specific Conductance	632	µS/cm	CASA-09-8242
SCA-1	7981	1.3	11/04/08	WG	Specific Conductance	569	µS/cm	CASA-09-852
SCA-1	7981	1.3	02/18/09	WG	Specific Conductance	939	µS/cm	CASA-09-2759
SCA-1	7981	1.3	05/19/08	WG	Specific Conductance	643	µS/cm	CASA-08-12829
SCA-1	7981	1.3	08/04/09	WG	Temperature	21.81	deg C	CASA-09-10330
SCA-1	7981	1.3	04/29/09	WG	Temperature	11.98	deg C	CASA-09-8242
SCA-1	7981	1.3	11/04/08	WG	Temperature	11.9	deg C	CASA-09-852
SCA-1	7981	1.3	02/18/09	WG	Temperature	3.1	deg C	CASA-09-2759
SCA-1	7981	1.3	05/19/08	WG	Temperature	17.8	deg C	CASA-08-12829
SCA-1	7981	1.3	08/04/09	WG	Turbidity	68.2	NTU	CASA-09-10330
SCA-1	7981	1.3	04/29/09	WG	Turbidity	37.2	NTU	CASA-09-8242
SCA-1	7981	1.3	11/04/08	WG	Turbidity	1000	NTU	CASA-09-852
SCA-1	7981	1.3	02/18/09	WG	Turbidity	23.5	NTU	CASA-09-2759
SCA-1	7981	1.3	05/19/08	WG	Turbidity	98.5	NTU	CASA-08-12829
SCA-1	7981	1.3	08/04/09	WG	pH	6.73	SU	CASA-09-10330
SCA-1	7981	1.3	04/29/09	WG	pH	6.59	SU	CASA-09-8242
SCA-1	7981	1.3	11/04/08	WG	pH	6.6	SU	CASA-09-852
SCA-1	7981	1.3	02/18/09	WG	pH	7.09	SU	CASA-09-2759
SCA-1	7981	1.3	05/19/08	WG	pH	7.06	SU	CASA-08-12829

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-1-DP	8751	2.16	08/03/09	WG	Dissolved Oxygen	1.51	mg/L	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Dissolved Oxygen	1.63	mg/L	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Dissolved Oxygen	5.43	mg/L	CASA-09-2857
SCA-1-DP	8751	2.16	08/03/09	WG	Oxidation Reduction Potential	-221.6	mV	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Oxidation Reduction Potential	52	mV	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Oxidation Reduction Potential	272.5	mV	CASA-09-2857
SCA-1-DP	8751	2.16	08/03/09	WG	Specific Conductance	540	µS/cm	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Specific Conductance	571	µS/cm	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Specific Conductance	460	µS/cm	CASA-09-2857
SCA-1-DP	8751	2.16	08/03/09	WG	Temperature	17.95	deg C	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Temperature	10.68	deg C	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Temperature	3.39	deg C	CASA-09-2857
SCA-1-DP	8751	2.16	08/03/09	WG	Turbidity	21.2	NTU	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Turbidity	9.22	NTU	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	Turbidity	102	NTU	CASA-09-2857
SCA-1-DP	8751	2.16	08/03/09	WG	pH	6.93	SU	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	pH	6.99	SU	CASA-09-8410
SCA-1-DP	8751	2.16	02/20/09	WG	pH	6.58	SU	CASA-09-2857
SCA-2	7991	10.3	08/04/09	WG	Dissolved Oxygen	5.96	mg/L	CASA-09-10338
SCA-2	7991	10.3	02/02/09	WG	Dissolved Oxygen	16.07	mg/L	CASA-09-2749
SCA-2	7991	10.3	08/11/08	WG	Dissolved Oxygen	5.9	mg/L	CASA-08-14345
SCA-2	7991	10.3	05/19/08	WG	Dissolved Oxygen	8.9	mg/L	CASA-08-12831
SCA-2	7991	10.3	02/12/08	WG	Dissolved Oxygen	8.25	mg/L	CASA-08-10654
SCA-2	7991	10.3	08/04/09	WG	Oxidation Reduction Potential	247.7	mV	CASA-09-10338
SCA-2	7991	10.3	02/02/09	WG	Oxidation Reduction Potential	409.8	mV	CASA-09-2749
SCA-2	7991	10.3	08/11/08	WG	Oxidation Reduction Potential	32	mV	CASA-08-14345

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-2	7991	10.3	05/19/08	WG	Oxidation Reduction Potential	163	mV	CASA-08-12831
SCA-2	7991	10.3	02/12/08	WG	Oxidation Reduction Potential	330	mV	CASA-08-10654
SCA-2	7991	10.3	08/04/09	WG	Specific Conductance	484	µS/cm	CASA-09-10338
SCA-2	7991	10.3	02/02/09	WG	Specific Conductance	469	µS/cm	CASA-09-2749
SCA-2	7991	10.3	08/11/08	WG	Specific Conductance	366	µS/cm	CASA-08-14345
SCA-2	7991	10.3	05/19/08	WG	Specific Conductance	685	µS/cm	CASA-08-12831
SCA-2	7991	10.3	08/04/09	WG	Temperature	19.05	deg C	CASA-09-10338
SCA-2	7991	10.3	02/02/09	WG	Temperature	0.9	deg C	CASA-09-2749
SCA-2	7991	10.3	08/11/08	WG	Temperature	21.7	deg C	CASA-08-14345
SCA-2	7991	10.3	05/19/08	WG	Temperature	15.3	deg C	CASA-08-12831
SCA-2	7991	10.3	02/12/08	WG	Temperature	4.9	deg C	CASA-08-10654
SCA-2	7991	10.3	08/04/09	WG	Turbidity	44	NTU	CASA-09-10338
SCA-2	7991	10.3	02/02/09	WG	Turbidity	51.6	NTU	CASA-09-2749
SCA-2	7991	10.3	08/11/08	WG	Turbidity	87.6	NTU	CASA-08-14345
SCA-2	7991	10.3	05/19/08	WG	Turbidity	1000	NTU	CASA-08-12831
SCA-2	7991	10.3	02/12/08	WG	Turbidity	23.7	NTU	CASA-08-10654
SCA-2	7991	10.3	08/04/09	WG	pH	7.32	SU	CASA-09-10338
SCA-2	7991	10.3	02/02/09	WG	pH	7.77	SU	CASA-09-2749
SCA-2	7991	10.3	08/11/08	WG	pH	7.2	SU	CASA-08-14345
SCA-2	7991	10.3	05/19/08	WG	pH	7.36	SU	CASA-08-12831
SCA-4	8011	37	08/05/09	WG	Dissolved Oxygen	7.2	mg/L	CASA-09-10344
SCA-4	8011	37	04/28/09	WG	Dissolved Oxygen	7.37	mg/L	CASA-09-8262
SCA-4	8011	37	11/03/08	WG	Dissolved Oxygen	7.36	mg/L	CASA-09-845
SCA-4	8011	37	08/11/08	WG	Dissolved Oxygen	9.1	mg/L	CASA-08-14350
SCA-4	8011	37	05/12/08	WG	Dissolved Oxygen	8.94	mg/L	CASA-08-12837
SCA-4	8011	37	08/05/09	WG	Oxidation Reduction Potential	243.3	mV	CASA-09-10344

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-4	8011	37	04/28/09	WG	Oxidation Reduction Potential	299.7	mV	CASA-09-8262
SCA-4	8011	37	11/03/08	WG	Oxidation Reduction Potential	288	mV	CASA-09-845
SCA-4	8011	37	08/11/08	WG	Oxidation Reduction Potential	194	mV	CASA-08-14350
SCA-4	8011	37	05/12/08	WG	Oxidation Reduction Potential	198	mV	CASA-08-12837
SCA-4	8011	37	08/05/09	WG	Specific Conductance	367	µS/cm	CASA-09-10344
SCA-4	8011	37	04/28/09	WG	Specific Conductance	447	µS/cm	CASA-09-8262
SCA-4	8011	37	11/03/08	WG	Specific Conductance	616	µS/cm	CASA-09-845
SCA-4	8011	37	08/11/08	WG	Specific Conductance	634	µS/cm	CASA-08-14350
SCA-4	8011	37	08/05/09	WG	Temperature	12.59	deg C	CASA-09-10344
SCA-4	8011	37	04/28/09	WG	Temperature	12.3	deg C	CASA-09-8262
SCA-4	8011	37	11/03/08	WG	Temperature	13.5	deg C	CASA-09-845
SCA-4	8011	37	08/11/08	WG	Temperature	14.5	deg C	CASA-08-14350
SCA-4	8011	37	05/12/08	WG	Temperature	14.7	deg C	CASA-08-12837
SCA-4	8011	37	08/05/09	WG	Turbidity	16.1	NTU	CASA-09-10344
SCA-4	8011	37	04/28/09	WG	Turbidity	7.45	NTU	CASA-09-8262
SCA-4	8011	37	11/03/08	WG	Turbidity	9.16	NTU	CASA-09-845
SCA-4	8011	37	08/11/08	WG	Turbidity	16.4	NTU	CASA-08-14350
SCA-4	8011	37	05/12/08	WG	Turbidity	78.5	NTU	CASA-08-12837
SCA-4	8011	37	08/05/09	WG	pH	6.87	SU	CASA-09-10344
SCA-4	8011	37	04/28/09	WG	pH	6.34	SU	CASA-09-8262
SCA-4	8011	37	11/03/08	WG	pH	6.9	SU	CASA-09-845
SCA-4	8011	37	08/11/08	WG	pH	6.83	SU	CASA-08-14350
SCA-5	8021	55	08/05/09	WG	Dissolved Oxygen	7.7	mg/L	CASA-09-10327
SCA-5	8021	55	10/11/06	WG	Dissolved Oxygen	9.1	mg/L	FU06100G5ACS01
SCA-5	8021	55	08/05/09	WG	Oxidation Reduction Potential	155.3	mV	CASA-09-10327
SCA-5	8021	55	10/11/06	WG	Oxidation Reduction Potential	483.2	mV	FU06100G5ACS01

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCA-5	8021	55	08/05/09	WG	Specific Conductance	332	µS/cm	CASA-09-10327
SCA-5	8021	55	10/11/06	WG	Specific Conductance	284	µS/cm	FU06100G5ACS01
SCA-5	8021	55	08/05/09	WG	Temperature	15.28	deg C	CASA-09-10327
SCA-5	8021	55	10/11/06	WG	Temperature	13.4	deg C	FU06100G5ACS01
SCA-5	8021	55	08/05/09	WG	Turbidity	9.05	NTU	CASA-09-10327
SCA-5	8021	55	10/11/06	WG	Turbidity	431	NTU	FU06100G5ACS01
SCA-5	8021	55	08/05/09	WG	pH	7.21	SU	CASA-09-10327
SCA-5	8021	55	10/11/06	WG	pH	6.63	SU	FU06100G5ACS01
SCI-1	8211	358.4	05/06/09	WG	Dissolved Oxygen	10.96	mg/L	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Dissolved Oxygen	10.96	mg/L	CASA-09-8267
SCI-1	8211	358.4	08/03/09	WG	Dissolved Oxygen	9.42	mg/L	CASA-09-10350
SCI-1	8211	358.4	02/17/09	WG	Dissolved Oxygen	9.52	mg/L	CASA-09-2779
SCI-1	8211	358.4	11/13/08	WG	Dissolved Oxygen	8.87	mg/L	CASA-09-873
SCI-1	8211	358.4	08/19/08	WG	Dissolved Oxygen	7.57	mg/L	CASA-08-14366
SCI-1	8211	358.4	05/06/09	WG	Oxidation Reduction Potential	195.2	mV	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Oxidation Reduction Potential	195.2	mV	CASA-09-8267
SCI-1	8211	358.4	08/03/09	WG	Oxidation Reduction Potential	257.2	mV	CASA-09-10350
SCI-1	8211	358.4	02/17/09	WG	Oxidation Reduction Potential	328.1	mV	CASA-09-2779
SCI-1	8211	358.4	11/13/08	WG	Oxidation Reduction Potential	431	mV	CASA-09-873
SCI-1	8211	358.4	08/19/08	WG	Oxidation Reduction Potential	393	mV	CASA-08-14366
SCI-1	8211	358.4	05/06/09	WG	Specific Conductance	543	µS/cm	CASA-09-8267
SCI-1	8211	358.4	05/06/09	WG	Specific Conductance	543	µS/cm	CASA-09-9291
SCI-1	8211	358.4	08/03/09	WG	Specific Conductance	593	µS/cm	CASA-09-10350
SCI-1	8211	358.4	02/17/09	WG	Specific Conductance	1081	µS/cm	CASA-09-2779
SCI-1	8211	358.4	11/13/08	WG	Specific Conductance	645	µS/cm	CASA-09-873
SCI-1	8211	358.4	08/19/08	WG	Specific Conductance	173	µS/cm	CASA-08-14366

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
SCI-1	8211	358.4	05/06/09	WG	Temperature	10.6	deg C	CASA-09-8267
SCI-1	8211	358.4	05/06/09	WG	Temperature	10.6	deg C	CASA-09-9291
SCI-1	8211	358.4	08/03/09	WG	Temperature	10.95	deg C	CASA-09-10350
SCI-1	8211	358.4	02/17/09	WG	Temperature	10.2	deg C	CASA-09-2779
SCI-1	8211	358.4	11/13/08	WG	Temperature	11.7	deg C	CASA-09-873
SCI-1	8211	358.4	08/19/08	WG	Temperature	13.5	deg C	CASA-08-14366
SCI-1	8211	358.4	05/06/09	WG	Turbidity	4.13	NTU	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Turbidity	4.13	NTU	CASA-09-8267
SCI-1	8211	358.4	08/03/09	WG	Turbidity	7.13	NTU	CASA-09-10350
SCI-1	8211	358.4	02/17/09	WG	Turbidity	5.76	NTU	CASA-09-2779
SCI-1	8211	358.4	11/13/08	WG	Turbidity	5.45	NTU	CASA-09-873
SCI-1	8211	358.4	08/19/08	WG	Turbidity	0.84	NTU	CASA-08-14366
SCI-1	8211	358.4	05/06/09	WG	pH	7.01	SU	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	pH	7.01	SU	CASA-09-8267
SCI-1	8211	358.4	08/03/09	WG	pH	6.89	SU	CASA-09-10350
SCI-1	8211	358.4	02/17/09	WG	pH	6.52	SU	CASA-09-2779
SCI-1	8211	358.4	11/13/08	WG	pH	7.35	SU	CASA-09-873
SCI-1	8211	358.4	08/19/08	WG	pH	7.1	SU	CASA-08-14366
SCI-2	8601	548	05/06/09	WG	Specific Conductance	464	µS/cm	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Specific Conductance	490	µS/cm	CASA-09-2992
SCI-2	8601	548	11/18/08	WG	Specific Conductance	559	µS/cm	CASA-09-959
SCI-2	8601	548	10/21/08	WG	Specific Conductance	575	µS/cm	CASA-09-501
SCI-2	8601	548	05/06/09	WG	pH	7.26	SU	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	pH	7.12	SU	CASA-09-2992
SCI-2	8601	548	11/18/08	WG	pH	7.48	SU	CASA-09-959
SCI-2	8601	548	10/21/08	WG	pH	7.4	SU	CASA-09-501

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Sandia below Wetlands	n/a	n/a	08/07/09	WS	Dissolved Oxygen	7	mg/L	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Dissolved Oxygen	7.35	mg/L	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	Dissolved Oxygen	10.96	mg/L	CASA-09-2743
Sandia below Wetlands	n/a	n/a	11/03/08	WS	Dissolved Oxygen	6.43	mg/L	CASA-09-836
Sandia below Wetlands	n/a	n/a	08/11/08	WS	Dissolved Oxygen	8.37	mg/L	CASA-08-14332
Sandia below Wetlands	n/a	n/a	08/07/09	WS	Specific Conductance	480	µS/cm	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Specific Conductance	666	µS/cm	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	Specific Conductance	633	µS/cm	CASA-09-2743
Sandia below Wetlands	n/a	n/a	11/03/08	WS	Specific Conductance	576	µS/cm	CASA-09-836
Sandia below Wetlands	n/a	n/a	08/07/09	WS	Temperature	18.44	deg C	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	Temperature	19.43	deg C	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	Temperature	6.81	deg C	CASA-09-2743
Sandia below Wetlands	n/a	n/a	11/03/08	WS	Temperature	12.7	deg C	CASA-09-836
Sandia below Wetlands	n/a	n/a	08/11/08	WS	Temperature	23	deg C	CASA-08-14332
Sandia below Wetlands	n/a	n/a	08/07/09	WS	pH	7.91	SU	CASA-09-10309
Sandia below Wetlands	n/a	n/a	05/05/09	WS	pH	8.23	SU	CASA-09-8234
Sandia below Wetlands	n/a	n/a	02/09/09	WS	pH	8.27	SU	CASA-09-2743
Sandia below Wetlands	n/a	n/a	11/03/08	WS	pH	8.1	SU	CASA-09-836
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Dissolved Oxygen	6.63	mg/L	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Dissolved Oxygen	8.23	mg/L	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Dissolved Oxygen	9.26	mg/L	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	Dissolved Oxygen	5.57	mg/L	CASA-09-840
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	Dissolved Oxygen	5.57	mg/L	FN060500P12101
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Specific Conductance	666	µS/cm	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Specific Conductance	665	µS/cm	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Specific Conductance	399.4	µS/cm	CASA-09-2747

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	Specific Conductance	433	µS/cm	CASA-09-840
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	Specific Conductance	619	µS/cm	FN060500P12101
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Temperature	22.73	deg C	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Temperature	16.73	deg C	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Temperature	11.97	deg C	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	Temperature	16.4	deg C	CASA-09-840
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	Temperature	17.18	deg C	FN060500P12101
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	Turbidity	1.58	NTU	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	Turbidity	3.36	NTU	CASA-09-8241
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	Turbidity	2.24	NTU	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	Turbidity	1.2	NTU	CASA-09-840
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	Turbidity	3.37	NTU	FN060500P12101
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	pH	8.24	SU	CASA-09-10304
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	pH	8.27	SU	CASA-09-2747
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	pH	8	SU	CASA-09-840
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	pH	7.8	SU	FU080100M12101
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Dissolved Oxygen	6.84	mg/L	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Dissolved Oxygen	6.51	mg/L	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Dissolved Oxygen	9.4	mg/L	CASA-09-2737
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	Dissolved Oxygen	5.81	mg/L	CASA-09-829
South Fork of Sandia Canyon at E122	n/a	n/a	08/11/08	WS	Dissolved Oxygen	7.9	mg/L	CASA-08-14325
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Specific Conductance	496	µS/cm	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Specific Conductance	282	µS/cm	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Specific Conductance	484	µS/cm	CASA-09-2737
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Temperature	22.56	deg C	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Temperature	21.97	deg C	CASA-09-8226

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Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Temperature	12.82	deg C	CASA-09-2737
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	Temperature	14.3	deg C	CASA-09-829
South Fork of Sandia Canyon at E122	n/a	n/a	08/11/08	WS	Temperature	22.6	deg C	CASA-08-14325
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	Turbidity	3.16	NTU	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	Turbidity	13.5	NTU	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	Turbidity	3.59	NTU	CASA-09-2737
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	Turbidity	1.8	NTU	CASA-09-829
South Fork of Sandia Canyon at E122	n/a	n/a	08/11/08	WS	Turbidity	10.6	NTU	CASA-08-14325
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	pH	6.24	SU	CASA-09-10313
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	pH	8.51	SU	CASA-09-8226
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	pH	8.77	SU	CASA-09-2737

n/a = Not applicable.

µS/cm = Microsiemens per centimeter.

mV = Millivolt.

NTU = Nephelometric turbidity unit.

SU = Standard unit.

WG = Groundwater.

WM = Snowmelt.

WS = Surface water.

WP = Persistent water.

Appendix B

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

Appendix C

Analytical Chemistry Results

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

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

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

Table C-1 Mortandad Previously Unreported Data

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Pine Rock Spring	n/a	n/a ^a	5/13/2009	WG	UF	CS	— ^b	Rad	LLEE	Tritium	—	24	0.27	0	—	pCi/L	—	—	Sep-55	CAMO-09-8114	UMTL
Pine Rock Spring	n/a	n/a	11/20/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	23	0.26	0	—	pCi/L	—	—	09-379	CAMO-09-732	UMTL
Pine Rock Spring	n/a	n/a	8/16/2007	WG	UF	CS	FB	Rad	LLEE	Tritium	<	0	0.096	0	—	pCi/L	—	U	2384	UU070800GPRS01-FB	UMTL
Pine Rock Spring	n/a	n/a	8/16/2007	WG	UF	CS	—	Rad	LLEE	Tritium	—	25	0.28	0	—	pCi/L	—	—	2384	UU070800GPRS01	UMTL
Pine Rock Spring	n/a	n/a	6/21/2007	WG	UF	CS	—	Rad	LLEE	Tritium	—	27	0.3	0	—	pCi/L	—	—	2361	UU070600GPRS01	UMTL
Pine Rock Spring	n/a	n/a	3/12/2007	WG	UF	CS	—	Rad	LLEE	Tritium	—	29	0.32	0	—	pCi/L	—	—	2319	UU070200GPRS01	UMTL
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	0.096	0	—	pCi/L	U	U	Sep-55	CAMO-09-9273	UMTL
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	0.096	0	—	pCi/L	U	U	Sep-55	CAMO-09-8218	UMTL
R-46	8741	1340	3/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	0.096	0	—	pCi/L	U	U	09-1173	CAMO-09-5490	UMTL

^a — = None.

^b n/a = Not applicable.

Table C-2 Sandia Previously Unreported Data

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	4/29/2009	WG	F	CS	—*	Metals	SW-846:6020	Chromium	—	14	—	—	2	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14	—	—	2	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17	—	—	2	µg/L	—	—	09-1663	CASA-09-12365	GELC
R-11	5531	855	2/5/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	2	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/5/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18	—	—	2	µg/L	—	—	09-219	CASA-09-904	GELC
R-11	5531	855	11/5/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18	—	—	2	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	8/11/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	5/12/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	22	—	—	3	µg/L	—	—	08-1123	CASA-08-12870	GELC
R-11	5531	855	4/29/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14	—	—	2	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	2/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/5/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18	—	—	2	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	8/11/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17	—	—	2	µg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	5/12/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	25	—	—	3	µg/L	—	—	08-1123	CASA-08-12871	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	2	µg/L	J	J	09-1663	CASA-09-12366	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	2	µg/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	2	µg/L	U	U	09-300	CASA-09-867	GELC
R-12	8411	504.5	11/13/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	2	µg/L	U	U	09-300	CASA-09-902	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2	—	—	2	µg/L	J	R	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	3	µg/L	J	J	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	3	µg/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	3	µg/L	J	J	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3	—	—	3	µg/L	J	J	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0	0.002	0	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0	0.0047	0	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0	0.00067	0	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0	0.0013	0	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0	0.0006	0	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.0011	0	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.002	0	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.0013	0	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.0027	0	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0	0.0016	0	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2	0.53	5	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1	0.4	4	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0	0.43	4	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3	0.4	5	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1	0.4	4	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1	0.5	5	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1	0.5	5	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1	0.43	4	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1	0.37	4	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0	0.4	4	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3	0.47	6	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1	0.47	5	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1	0.4	4	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2	0.47	4	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2	0.4	3	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2	0.5	4	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1	0.57	6	—	pCi/L	U	U	09-887	CASA-09-3010	GELC

Table C-2 Sandia Previously Unreported Data

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0	0.5	5	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2	0.37	3	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1	0.4	4	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1	0.087	1	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0	0.113	1	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2	0.217	2	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4	0.31	3	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	64	8	62	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	46	11.3	70	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	17	10.3	23	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	89	22.67	290	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	97	26	340	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	76	8	62	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26	5.3	37	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19	3.17	19	—	pCi/L	—	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	72	14	190	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	81	28.3	280	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5	3.67	37	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5	2.9	30	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-24	3.1	27	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1	3.67	33	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9	4	34	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17	4.3	40	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13	3.67	34	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1	3.3	30	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6	2.63	26	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5	3.67	31	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.004	0	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.0023	0	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.0037	0	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.002	0	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.002	0	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.001	0	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.0025	0	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.0024	0	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.0008	0	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	0.002	0	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.003	0	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0017	0	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0014	0	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0017	0	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0016	0	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0017	0	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0022	0	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.001	0	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0014	0	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	0.0008	0	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19	6	68	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-11	6	62	—	pCi/L	U	U	09-887	CASA-09-3007	GELC

Table C-2 Sandia Previously Unreported Data

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	3	5.67	60	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	33	4	46	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	38	4.67	50	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8	6	55	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17	6.67	67	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	5.67	65	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10	4.67	43	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17	7	38	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0	0.5	5	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1	0.57	6	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1	0.43	5	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0	0.467	4	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1	0.43	4	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0	0.467	5	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0	0.53	5	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0	0.53	5	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1	0.4	4	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0	0.43	4	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.029	0	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.043	0	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.028	0	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.032	0	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.019	0	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.03	0	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.04	0	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.025	0	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.03	0	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0	0.031	0	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0	0.01	0	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0	0.011	0	—	pCi/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0	0.01	0	—	pCi/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0	0.014	0	—	pCi/L	—	—	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0	0.012	0	—	pCi/L	—	—	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0	0.014	0	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0	0.01	0	—	pCi/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0	0.011	0	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0	0.013	0	—	pCi/L	—	—	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0	0.01	0	—	pCi/L	—	—	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.003	0	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.001	0	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0	0.0032	0	—	pCi/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.003	0	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.004	0	—	pCi/L	U	U	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.004	0	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.002	0	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0	0.0029	0	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.002	0	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	0.0032	0	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0	0.007	0	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC

Table C-2 Sandia Previously Unreported Data

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0	0.006	0	—	pCi/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	8/19/2008	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0	0.007	0	—	pCi/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0	0.007	0	—	pCi/L	—	—	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0	0.0087	0	—	pCi/L	—	—	08-679	CASA-08-10578	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0	0.009	0	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0	0.0067	0	—	pCi/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0	0.006	0	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	5/19/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0	0.008	0	—	pCi/L	—	—	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0	0.008	0	—	pCi/L	—	—	08-679	CASA-08-10576	GELC
R-35b	8351	825.4	8/29/2007	WG	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0	—	—	0	mg/L	J	—	192875	GF07080GR35b01	GELC
R-35b	8351	825.4	4/27/2009	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0	—	—	0	mg/L	J	J-	09-1623	CASA-09-8424	GELC
R-35b	8351	825.4	2/2/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0	—	—	0	mg/L	U	U	09-790	CASA-09-3019	GELC
R-35b	8351	825.4	11/6/2008	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0	—	—	0	mg/L	U	UJ	09-233	CASA-09-887	GELC
R-35b	8351	825.4	8/12/2008	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0	—	—	0	mg/L	U	UJ	08-1663	CASA-08-14384	GELC
R-35b	8351	825.4	5/13/2008	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0	—	—	0	mg/L	U	UJ	08-1137	CASA-08-12877	GELC
R-35b	8351	825.4	2/7/2008	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1	—	—	0	mg/L	—	J	08-601	CASA-08-10559	GELC
R-35b	8351	825.4	11/10/2007	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0	—	—	0	mg/L	U	U	08-156	GWR35b-08-8643	GELC
R-35b	8351	825.4	8/29/2007	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0	—	—	0	mg/L	J	—	192875	GU07080GR35b01	GELC
R-35b	8351	825.4	4/27/2009	WG	UF	CS	—	Voa	SW-846:8260B	Carbon Disulfide	—	3	—	—	1	µg/L	J	J	09-1623	CASA-09-8309	GELC
R-35b	8351	825.4	2/2/2009	WG	UF	CS	—	Voa	SW-846:8260B	Carbon Disulfide	<	5	—	—	1	µg/L	U	U	09-790	CASA-09-3019	GELC
R-35b	8351	825.4	8/12/2008	WG	UF	CS	—	Voa	SW-846:8260B	Carbon Disulfide	<	5	—	—	1	µg/L	U	UJ	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	5/13/2008	WG	UF	CS	—	Voa	SW-846:8260B	Carbon Disulfide	<	5	—	—	1	µg/L	U	U	08-1137	CASA-08-12877	GELC
R-35b	8351	825.4	2/7/2008	WG	UF	CS	—	Voa	SW-846:8260B	Carbon Disulfide	<	5	—	—	1	µg/L	U	U	08-601	CASA-08-10559	GELC
R-35b	8351	825.4	11/10/2007	WG	UF	CS	—	Voa	SW-846:8260B	Carbon Disulfide	<	5	—	—	1	µg/L	U	U	08-156	GWR35b-08-8643	GELC

* — = None.

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a ^a	n/a	08/18/09	WS	UF	CS	— ^b	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00008	—	—	8.00E-05	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000691	—	—	6.91E-06	µg/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000134	—	—	1.34E-05	µg/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.0000687	—	—	—	µg/L	—	U	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000166	—	—	1.66E-04	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000126	—	—	1.26E-05	µg/L	—	—	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000194	—	—	1.94E-05	µg/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000687	—	—	—	µg/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.0000271	—	—	2.71E-05	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.00000176	—	—	1.76E-06	µg/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000515	—	—	5.15E-06	µg/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000232	—	—	—	µg/L	—	U	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000947	—	—	9.47E-05	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000448	—	—	4.48E-06	µg/L	—	—	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000506	—	—	5.06E-06	µg/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000944	—	—	—	µg/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.0000251	—	—	2.51E-05	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.00000382	—	—	3.82E-06	µg/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.00000724	—	—	7.24E-06	µg/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.00000174	—	—	—	µg/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.000025	—	—	2.50E-05	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000162	—	—	1.62E-06	µg/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000283	—	—	2.83E-06	µg/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.00000201	—	—	—	µg/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000738	—	—	7.38E-04	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000249	—	—	2.49E-05	µg/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000142	—	—	1.42E-05	µg/L	U	R	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000358	—	—	—	µg/L	—	U	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.0000983	—	—	9.83E-05	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00000252	—	—	2.52E-06	µg/L	—	—	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.0000162	—	—	1.62E-05	µg/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000564	—	—	—	µg/L	—	U, R	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	—	0.00000269	—	—	2.69E-06	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	<	0.00000551	—	—	5.51E-06	µg/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	<	0.00000178	—	—	1.78E-06	µg/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzodioxins (Total)	<	0.00000259	—	—	—	µg/L	U	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000251	—	—	2.51E-06	µg/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.00000189	—	—	1.89E-06	µg/L	U	U	08-680	CAMO-08-10862	ALTC
E-1FW	n/a	n/a	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.00000127	—	—	1.27E-06	µg/L	U	UJ	28759	AU07020PWF1E01	ALTC
E-1FW	n/a	n/a	10/25/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000237	—	—	—	µg/L	—	—	G341-269	GU06090PWF1E01	SGSW
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.9	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	29.8	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.8	—	—	7.30E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.4	—	—	7.30E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	16.5	—	—	7.30E-01	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.027	—	—	1.60E-02	mg/L	J	J-	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.051	—	—	3.00E-02	mg/L	—	J-	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0419	—	—	3.00E-02	mg/L	J	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.1	—	—	6.00E-02	mg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	3.00E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.3	—	—	3.00E-02	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	71.4	—	—	6.60E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	152	—	—	1.30E+00	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	141	—	—	6.60E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	136	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	265	—	—	3.30E+00	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.383	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	3.30E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.201	—	—	3.30E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.254	—	—	3.30E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.118	—	—	3.30E-02	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.4	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.3	—	—	3.50E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.6	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	188	—	—	4.30E-01	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.2	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.8	—	—	3.50E-01	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.4	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	158	—	—	4.30E-01	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.14	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.2	—	—	8.50E-02	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.6	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.57	—	—	8.50E-02	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0555	—	—	5.00E-02	mg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	UJ	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.5	—	—	1.00E-01	mg/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.68	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.74	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.3	—	—	5.00E-02	mg/L	E	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.81	—	—	5.00E-02	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.53	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.36	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	E	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.88	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.61	—	—	5.00E-02	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.6	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	104	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	101	—	—	4.50E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	85.7	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	112	—	—	4.50E-02	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	67.6	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	100	—	—	4.50E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.6	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14406	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	93.5	—	—	4.50E-02	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	440	—	—	1.00E+00	µS/cm	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	619	—	—	1.00E+00	µS/cm	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	647	—	—	1.00E+00	µS/cm	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	µS/cm	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1060	—	—	1.00E+00	µS/cm	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.4	—	—	1.00E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.4	—	—	1.00E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.94	—	—	1.00E-01	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.9	—	—	1.00E-01	mg/L	—	J-	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	8.8	—	—	2.30E+00	mg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.2	—	—	2.30E+00	mg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	7.6	—	—	2.30E+00	mg/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	5.2	—	—	1.10E+00	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	291	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	373	—	—	2.40E+00	mg/L	—	J	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	366	—	—	2.40E+00	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	406	—	—	2.40E+00	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	574	—	—	2.40E+00	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	2.08	—	—	3.30E-02	mg/L	—	J-	09-2923	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.199	—	—	2.90E-02	mg/L	—	U	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.332	—	—	2.90E-02	mg/L	—	J+	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.384	—	—	2.90E-02	mg/L	—	J-	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	16.1	—	—	1.70E+00	mg/L	—	—	09-2923	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.93	—	—	3.30E-01	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.8	—	—	3.30E-01	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	17.2	—	—	3.30E-01	mg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.75	—	—	3.30E-01	mg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.109	—	—	1.50E-02	mg/L	—	J-	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0627	—	—	2.40E-02	mg/L	—	J-	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.087	—	—	2.40E-02	mg/L	—	U	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.35	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.13	—	—	1.00E-02	SU	H	J-	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.38	—	—	1.00E-02	SU	H	J-	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.65	—	—	1.00E-02	SU	H	J-	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	5.93	—	—	1.00E-02	SU	H	J-	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	138	—	—	6.80E+01	µg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	588	—	—	6.80E+01	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1050	—	—	6.80E+01	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	2700	—	—	6.80E+01	µg/L	N	J+	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	23200	—	—	6.80E+01	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	4320	—	—	6.80E+01	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	131	—	—	6.80E+01	µg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	6750	—	—	6.80E+01	µg/L	N	J+	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	382	—	—	6.80E+01	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.71	—	—	1.50E+00	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	10.2	—	—	1.50E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	84.9	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	138	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	163	—	—	1.00E+00	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	162	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	447	—	—	1.00E+00	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	174	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	151	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	155	—	—	1.00E+00	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	177	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	337	—	—	1.00E+00	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.44	—	—	1.00E+00	µg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	34.5	—	—	1.50E+01	µg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.00E+01	µg/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	29	—	—	1.00E+01	µg/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	1.00E+01	µg/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	13.1	—	—	1.00E+01	µg/L	J	J	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.3	—	—	1.50E+01	µg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.00E+01	µg/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.7	—	—	1.00E+01	µg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.9	—	—	1.00E+01	µg/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.00E+01	µg/L	J	J	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	µg/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	µg/L	U	U	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.21	—	—	1.10E-01	µg/L	J	J	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.139	—	—	1.10E-01	µg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	µg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.11	—	—	1.10E-01	µg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	µg/L	U	U	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.17	—	—	1.10E-01	µg/L	J	J	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	24.5	—	—	2.50E+00	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	75.4	—	—	1.50E+00	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	1.50E+00	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	36	—	—	1.50E+00	µg/L	—	J	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	12.5	—	—	2.50E+00	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	119	—	—	2.50E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	70.3	—	—	1.50E+00	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.6	—	—	1.50E+00	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	48.9	—	—	1.50E+00	µg/L	—	J	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	23.3	—	—	2.50E+00	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.65	—	—	1.00E+00	µg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.6	—	—	1.00E+00	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	4.1	—	—	1.00E+00	µg/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	7.8	—	—	1.00E+00	µg/L	—	—	08-675	CAMO-08-10861	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.81	—	—	1.00E+00	µg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.8	—	—	1.00E+00	µg/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	5.7	—	—	1.00E+00	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.7	—	—	1.00E+00	µg/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.6	—	—	1.00E+00	µg/L	J	J	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.9	—	—	3.00E+00	µg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.4	—	—	3.00E+00	µg/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	7.9	—	—	3.00E+00	µg/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	49.6	—	—	3.00E+00	µg/L	—	J	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	46.7	—	—	3.00E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.1	—	—	3.00E+00	µg/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.8	—	—	3.00E+00	µg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	84.6	—	—	3.00E+00	µg/L	—	J	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	469	—	—	3.00E+01	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	344	—	—	2.50E+01	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1980	—	—	2.50E+01	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1400	—	—	2.50E+01	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	973	—	—	2.50E+01	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	13800	—	—	3.00E+01	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	2860	—	—	2.50E+01	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	465	—	—	2.50E+01	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	3500	—	—	2.50E+01	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	481	—	—	2.50E+01	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	1.7	—	—	5.00E-01	µg/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	8.68	—	—	5.00E-01	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.3	—	—	5.00E-01	µg/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	4.1	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	219	—	—	2.00E+00	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	50.2	—	—	2.00E+00	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	741	—	—	2.00E+00	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	399	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	414	—	—	2.00E+00	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	299	—	—	2.00E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	161	—	—	2.00E+00	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	708	—	—	2.00E+00	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	436	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	132	—	—	2.00E+00	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	42.1	—	—	1.00E-01	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.4	—	—	1.00E-01	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	22.5	—	—	1.00E-01	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	25.4	—	—	1.00E-01	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.3	—	—	1.00E-01	µg/L	—	J	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.3	—	—	1.00E-01	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.4	—	—	1.00E-01	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	24.6	—	—	1.00E-01	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.4	—	—	1.00E-01	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.3	—	—	1.00E-01	µg/L	—	J	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.91	—	—	5.00E-01	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	4	—	—	5.00E-01	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	8.1	—	—	5.00E-01	µg/L	—	—	09-317	CAMO-09-714	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.5	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	13	—	—	5.00E-01	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.8	—	—	5.00E-01	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.2	—	—	5.00E-01	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.6	—	—	5.00E-01	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.2	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.8	—	—	5.00E-01	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	28.4	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	27.3	—	—	3.20E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.3	—	—	3.20E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.8	—	—	3.20E-02	mg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	21.2	—	—	3.20E-02	mg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Silver	—	0.23	—	—	2.00E-01	µg/L	J	J	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.262	—	—	2.00E-01	µg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.5	—	—	2.00E-01	µg/L	J	J	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.6	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	289	—	—	1.00E+00	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.4	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	97.3	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	240	—	—	1.00E+00	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.243	—	—	5.00E-02	µg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.099	—	—	5.00E-02	µg/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.44	—	—	5.00E-02	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.94	—	—	5.00E-02	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.12	—	—	5.00E-02	µg/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.14	—	—	5.00E-02	µg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.63	—	—	5.00E-02	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.12	—	—	5.00E-02	µg/L	J	J	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.63	—	—	1.00E+00	µg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.5	—	—	1.00E+00	µg/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.4	—	—	1.00E+00	µg/L	J	U	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	24.6	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	µg/L	J	U	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.5	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.7	—	—	1.00E+00	µg/L	J	J	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.61	—	—	3.30E+00	µg/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	2.00E+00	µg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.9	—	—	2.00E+00	µg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.5	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.7	—	—	2.00E+00	µg/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	69.9	—	—	3.30E+00	µg/L	—	—	09-2924	CAMO-09-9435	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.9	—	—	2.00E+00	µg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.8	—	—	2.00E+00	µg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	37.8	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36.5	—	—	2.00E+00	µg/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00781	5.00E-03	4.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00517	3.10E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0135	4.87E-03	3.65E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0131	2.08E-03	3.50E-02	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00764	1.50E-03	4.80E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	2.57E-03	3.10E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0134	2.97E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00668	4.63E-03	3.51E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0156	2.25E-03	3.50E-02	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.21	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.13	4.67E-01	4.90E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.892	3.57E-01	3.79E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.593	3.22E-01	3.57E+00	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.299	5.33E-01	4.80E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.948	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.58	4.00E-01	3.60E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.114	3.43E-01	3.61E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.92	4.07E-01	4.76E+00	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.624	7.00E-01	4.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.733	4.33E-01	4.30E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.156	4.57E-01	5.21E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.576	2.93E-01	3.51E+00	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.34	5.67E-01	5.20E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.32	4.33E-01	4.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.46	4.00E-01	4.30E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.11	3.77E-01	4.70E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.4	3.87E-01	4.81E+00	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	8.53	5.33E-01	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	5.5	2.69E-01	2.65E+00	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	3.47	1.68E-01	1.58E+00	—	pCi/L	—	J	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	14.9	7.00E-01	3.60E+00	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	5	2.56E-01	2.47E+00	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	3.15	1.39E-01	1.18E+00	—	pCi/L	—	J	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11	4.00E+00	1.80E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	71.9	3.13E+01	2.10E+02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.5	2.49E+01	2.45E+02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	120	4.30E+01	3.65E+02	—	pCi/L	U	J	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	36.5	6.00E+00	6.90E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.7	9.33E+00	1.70E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	77.6	2.70E+01	2.80E+02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	115	3.12E+01	3.74E+02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	129	1.25E+02	4.41E+02	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.3	2.17E+00	1.80E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7	3.67E+00	3.40E+01	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.81	2.46E+00	1.96E+01	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.7	2.55E+00	2.75E+01	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.9	4.00E+00	3.90E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-26.7	4.00E+00	3.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.2	2.63E+00	2.40E+01	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.1	2.53E+00	2.46E+01	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.38	1.74E+00	1.77E+01	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00213	7.00E-04	3.00E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00586	3.13E-03	3.80E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0089	2.97E-03	3.70E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0185	3.43E-03	4.80E-02	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	4.10E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	4.48E-10	1.77E-03	2.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00361	2.27E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00763	3.50E-03	5.28E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00182	1.05E-03	3.80E-02	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0127	2.83E-03	3.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00977	2.70E-03	4.00E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00178	2.14E-03	3.12E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00461	2.88E-03	4.00E-02	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0146	2.00E-03	4.60E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0169	2.27E-03	3.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0145	1.93E-03	3.70E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00254	2.54E-03	4.46E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00182	1.82E-03	3.20E-02	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-28.6	6.00E+00	5.60E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.2	6.33E+00	4.20E+01	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	21.2	4.43E+00	5.46E+01	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	8.09	3.87E+00	4.41E+01	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.3	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.16	5.33E+00	5.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.2	6.00E+00	5.60E+01	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.3	5.23E+00	3.64E+01	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.4	4.60E+00	5.74E+01	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.644	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.17	4.00E-01	3.40E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	4.37E-01	5.03E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.745	2.25E-01	2.92E+00	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.18	5.33E-01	5.70E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.871	3.33E-01	3.50E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.467	3.67E-01	3.60E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.562	2.47E-01	3.11E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.351	4.47E-01	4.90E+00	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.271	5.00E-02	4.80E-01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.892	5.67E-02	4.10E-01	—	pCi/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0354	1.34E-02	1.90E-01	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.183	2.69E-02	3.12E-01	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.22	4.00E-02	3.80E-01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.179	4.67E-02	4.70E-01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.568	4.67E-02	4.00E-01	—	pCi/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0797	1.52E-02	1.81E-01	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.367	2.30E-02	2.23E-01	—	pCi/L	—	J	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	—	0.738	2.23E-02	1.20E-01	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	—	0.355	1.30E-02	1.30E-01	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.548	1.73E-02	4.30E-02	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.16	7.33E-03	7.10E-02	—	pCi/L	—	—	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0235	5.00E-03	7.00E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.141	8.00E-03	9.32E-02	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0502	6.57E-03	1.09E-01	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.343	1.43E-02	1.20E-01	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.318	1.03E-02	6.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0602	4.67E-03	7.40E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.195	8.50E-03	8.48E-02	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0691	7.10E-03	1.32E-01	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.018	2.87E-03	3.80E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00726	1.40E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.034	3.80E-03	7.02E-02	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0396	5.23E-03	6.70E-02	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0138	3.07E-03	6.10E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	2.30E-03	3.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0103	2.70E-03	3.70E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0309	3.47E-03	6.38E-02	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.065	6.00E-03	8.00E-02	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	n/a	n/a	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.154	7.00E-03	3.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14407	GELC
E-1FW	n/a	n/a	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0215	2.73E-03	4.10E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	n/a	n/a	09/13/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.128	6.83E-03	6.60E-02	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0179	3.60E-03	7.70E-02	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.385	1.53E-02	6.00E-02	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	n/a	n/a	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.334	1.10E-02	3.50E-02	—	pCi/L	—	—	08-1671	CAMO-08-14406	GELC
E-1FW	n/a	n/a	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.056	4.00E-03	4.30E-02	—	pCi/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	n/a	n/a	09/13/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.161	7.40E-03	6.00E-02	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
E-1FW	n/a	n/a	04/20/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0302	4.33E-03	9.30E-02	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.000199	—	—	1.99E-04	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000133	—	—	1.33E-05	µg/L	J	J	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.0000034	—	—	3.40E-06	µg/L	U	R	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000583	—	—	5.83E-05	µg/L	—	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000495	—	—	—	µg/L	—	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0005	—	—	5.00E-04	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000262	—	—	2.62E-05	µg/L	—	—	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000333	—	—	3.33E-06	µg/L	—	J	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000112	—	—	1.12E-04	µg/L	—	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000111	—	—	—	µg/L	—	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.0000348	—	—	3.48E-05	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.00000347	—	—	3.47E-06	µg/L	J	J	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000103	—	—	1.03E-06	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.0000139	—	—	1.39E-05	µg/L	J	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.0000015	—	—	—	µg/L	—	U, R	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	—	0.00000365	—	—	3.65E-06	µg/L	J	J	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.00000145	—	—	1.45E-06	µg/L	U	U	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.000000893	—	—	8.93E-07	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.00000344	—	—	3.44E-06	µg/L	U	UJ	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	<	0.00000271	—	—	—	µg/L	U	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.000139	—	—	1.39E-04	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00001	—	—	1.00E-05	µg/L	—	—	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.000000962	—	—	9.62E-07	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000469	—	—	4.69E-05	µg/L	—	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000237	—	—	—	µg/L	—	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	—	0.00000444	—	—	4.44E-06	µg/L	J	J	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	<	0.00000223	—	—	2.23E-06	µg/L	U	U	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	<	0.00000142	—	—	1.42E-06	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	<	0.00000053	—	—	5.30E-06	µg/L	U	UJ	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	<	0.000000955	—	—	—	µg/L	—	U, R	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.0000261	—	—	2.61E-05	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.00000306	—	—	3.06E-06	µg/L	U	U	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.0000013	—	—	1.30E-06	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.00000543	—	—	5.43E-06	µg/L	—	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.000000847	—	—	—	µg/L	—	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.0000221	—	—	2.21E-05	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.0000013	—	—	1.30E-06	µg/L	—	—	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.000000422	—	—	4.22E-07	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.00000975	—	—	9.75E-06	µg/L	—	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.00000089	—	—	—	µg/L	—	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00293	—	—	2.93E-03	µg/L	—	—	09-2906	CAMO-09-9442	ALTC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000146	—	—	1.46E-04	µg/L	—	—	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000239	—	—	2.39E-05	µg/L	J	J	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000577	—	—	5.77E-04	µg/L	B	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000244	—	—	—	µg/L	—	U	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00021	—	—	2.10E-04	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00000701	—	—	7.01E-06	µg/L	J	J	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000136	—	—	1.36E-06	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.0000293	—	—	2.93E-05	µg/L	J	J	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000193	—	—	—	µg/L	—	U	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000424	—	—	4.24E-06	µg/L	—	—	09-2906	CAMO-09-9442	ALTC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.00000217	—	—	2.17E-06	µg/L	U	U	08-681	CAMO-08-10863	ALTC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.000000665	—	—	6.65E-07	µg/L	U	UJ	29122	AU070600PE1M01	ALTC
M-1E	n/a	n/a	03/06/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.0000014	—	—	1.40E-06	µg/L	U	UJ	28777	AU070200PE1M01	ALTC
M-1E	n/a	n/a	10/23/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000243	—	—	—	µg/L	—	—	G341-269	GU060900PE1M01	SGSW
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89.3	—	—	7.30E-01	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.4	—	—	7.30E-01	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	7.30E-01	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.1	—	—	7.30E-01	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.5	—	—	3.00E-02	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.1	—	—	3.00E-02	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.8	—	—	3.00E-02	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	3.00E-02	mg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.8	—	—	3.00E-02	mg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.11	—	—	3.00E-02	mg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.9	—	—	6.60E-01	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	143	—	—	1.30E+00	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	150	—	—	1.30E+00	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.2	—	—	1.30E-01	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.314	—	—	3.30E-02	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.0874	—	—	3.30E-02	mg/L	J	J	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.147	—	—	3.30E-02	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.119	—	—	3.30E-02	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	3.50E-01	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.6	—	—	3.50E-01	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.6	—	—	3.50E-01	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	29.7	—	—	4.30E-01	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.1	—	—	3.50E-01	mg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86	—	—	3.50E-01	mg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.9	—	—	3.50E-01	mg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	32.5	—	—	4.30E-01	mg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.97	—	—	8.50E-02	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.21	—	—	8.50E-02	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.23	—	—	8.50E-02	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.86	—	—	8.50E-02	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	8.50E-02	mg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.43	—	—	8.50E-02	mg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.2	—	—	8.50E-02	mg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.36	—	—	8.50E-02	mg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.15	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.58	—	—	5.00E-02	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.1	—	—	5.00E-02	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.79	—	—	5.00E-02	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.52	—	—	5.00E-02	mg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.9	—	—	5.00E-02	mg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.2	—	—	5.00E-02	mg/L	—	—	08-1706	CAMO-08-14419	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.35	—	—	5.00E-02	mg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	63.4	—	—	1.00E-01	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	86.8	—	—	4.50E-02	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	88.3	—	—	4.50E-02	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.5	—	—	4.50E-02	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.1	—	—	1.00E-01	mg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	89.3	—	—	4.50E-02	mg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.3	—	—	4.50E-02	mg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	4.50E-02	mg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	400	—	—	1.00E+00	µS/cm	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	606	—	—	1.00E+00	µS/cm	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	693	—	—	1.00E+00	µS/cm	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	0.953	—	—	1.00E-01	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.2	—	—	1.00E-01	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.42	—	—	1.00E-01	mg/L	—	J-	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.76	—	—	1.00E-01	mg/L	—	J-	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	12.6	—	—	1.50E+00	mg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.6	—	—	2.30E+00	mg/L	J	J	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	8.8	—	—	2.30E+00	mg/L	J	J	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.2	—	—	2.28E+00	mg/L	J	—	188310	GU070600PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	272	—	—	2.40E+00	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	342	—	—	2.40E+00	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	398	—	—	2.40E+00	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	06/19/07	WP	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.096	—	—	2.90E-02	mg/L	J	JN-	188310	GF070600PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.449	—	—	3.30E-02	mg/L	—	—	09-2907	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.153	—	—	2.90E-02	mg/L	—	J-	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.352	—	—	2.90E-02	mg/L	—	J-	08-1705	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.42	—	—	2.90E-02	mg/L	—	J+	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.107	—	—	2.90E-02	mg/L	—	JN-	188310	GU070600PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	18.6	—	—	6.60E-01	mg/L	—	—	09-2907	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.75	—	—	3.30E-01	mg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	13.4	—	—	3.30E-01	mg/L	—	—	08-1705	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.97	—	—	6.60E-01	mg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	06/19/07	WP	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.96	—	—	3.30E-01	mg/L	—	—	188310	GU070600PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.28	—	—	1.00E-02	SU	H	J-	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.72	—	—	1.00E-02	SU	H	J-	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.1	—	—	1.00E-02	SU	H	J-	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	170	—	—	6.80E+01	µg/L	J	J	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	322	—	—	6.80E+01	µg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	363	—	—	6.80E+01	µg/L	*	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1430	—	—	6.80E+01	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	460	—	—	6.80E+01	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1030	—	—	6.80E+01	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	578	—	—	6.80E+01	µg/L	*	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	5450	—	—	6.80E+01	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.74	—	—	1.50E+00	µg/L	J	J	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	89.3	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9443	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	173	—	—	1.00E+00	µg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	217	—	—	1.00E+00	µg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	59.4	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	110	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	184	—	—	1.00E+00	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	200	—	—	1.00E+00	µg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	73.6	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	µg/L	J	J	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.00E+01	µg/L	J	J	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	36.6	—	—	1.00E+01	µg/L	J	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	13.1	—	—	1.00E+01	µg/L	J	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.50E+01	µg/L	J	J	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.00E+01	µg/L	J	J	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	35.8	—	—	1.00E+01	µg/L	J	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.00E+01	µg/L	J	J	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	2.4	—	—	1.50E+00	µg/L	J	J	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	2.50E+00	µg/L	J	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.26	—	—	2.50E+00	µg/L	J	J	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.3	—	—	1.50E+00	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.3	—	—	2.50E+00	µg/L	J	J	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.97	—	—	1.00E+00	µg/L	J	J	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.1	—	—	1.00E+00	µg/L	J	J	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.1	—	—	1.00E+00	µg/L	J	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	232	—	—	3.00E+01	µg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	190	—	—	2.50E+01	µg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	114	—	—	2.50E+01	µg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	852	—	—	2.50E+01	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1240	—	—	3.00E+01	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	647	—	—	2.50E+01	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	374	—	—	2.50E+01	µg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	3240	—	—	2.50E+01	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	0.95	—	—	5.00E-01	µg/L	J	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.29	—	—	5.00E-01	µg/L	J	J	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.4	—	—	5.00E-01	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	179	—	—	2.00E+00	µg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	230	—	—	2.00E+00	µg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	276	—	—	2.00E+00	µg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	155	—	—	2.00E+00	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	286	—	—	2.00E+00	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	246	—	—	2.00E+00	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	304	—	—	2.00E+00	µg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	189	—	—	2.00E+00	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.74	—	—	1.00E-01	µg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.3	—	—	1.00E-01	µg/L	J	J	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	1.00E-01	µg/L	—	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.68	—	—	1.00E-01	µg/L	—	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.52	—	—	1.00E-01	µg/L	—	—	09-2908	CAMO-09-9442	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.33	—	—	1.00E-01	µg/L	J	J	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.79	—	—	1.00E-01	µg/L	—	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.39	—	—	5.00E-01	µg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	µg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.2	—	—	5.00E-01	µg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.86	—	—	5.00E-01	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.2	—	—	5.00E-01	µg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.8	—	—	5.00E-01	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	31.7	—	—	5.30E-02	mg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	30.2	—	—	3.20E-02	mg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	28.2	—	—	3.20E-02	mg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	23.9	—	—	3.20E-02	mg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	96.7	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	150	—	—	1.00E+00	µg/L	—	—	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	156	—	—	1.00E+00	µg/L	—	—	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.9	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00E+00	µg/L	—	—	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	154	—	—	1.00E+00	µg/L	—	—	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.5	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.231	—	—	5.00E-02	µg/L	—	—	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.085	—	—	5.00E-02	µg/L	J	J	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.062	—	—	5.00E-02	µg/L	J	J	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.2	—	—	5.00E-02	µg/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.376	—	—	5.00E-02	µg/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.11	—	—	5.00E-02	µg/L	J	J	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.083	—	—	5.00E-02	µg/L	J	J	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.1	—	—	1.00E+00	µg/L	J	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.24	—	—	1.00E+00	µg/L	J	J	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.1	—	—	1.00E+00	µg/L	J	J	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.4	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.85	—	—	3.30E+00	µg/L	J	J	09-2908	CAMO-09-9443	GELC
M-1E	n/a	n/a	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.3	—	—	2.00E+00	µg/L	J	U	09-314	CAMO-09-728	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.4	—	—	2.00E+00	µg/L	*	J	08-1706	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.2	—	—	2.00E+00	µg/L	J	J	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.65	—	—	3.30E+00	µg/L	J	J	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10.5	—	—	2.00E+00	µg/L	—	U	09-314	CAMO-09-727	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	<	11.8	—	—	2.00E+00	µg/L	*	U	08-1706	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.5	—	—	2.00E+00	µg/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00407	2.10E-03	5.00E-02	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00312	9.67E-04	3.50E-02	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00271	2.36E-03	3.69E-02	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00652	1.92E-03	3.40E-02	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	8.00E-04	3.00E-02	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00921	1.87E-03	3.20E-02	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00477	1.03E-03	3.40E-02	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00399	3.97E-03	4.16E-02	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0161	2.56E-03	3.60E-02	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.1	8.00E-01	6.10E+00	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.345	4.33E-01	4.30E+00	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.49	4.37E-01	3.65E+00	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.55	3.03E-01	3.56E+00	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.02	4.00E-01	4.10E+00	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0793	5.67E-01	5.70E+00	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.774	3.33E-01	3.10E+00	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.2	3.19E-01	3.46E+00	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.61	3.25E-01	3.68E+00	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.82	5.67E-01	6.70E+00	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.58	4.00E-01	3.40E+00	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.422	3.70E-01	4.22E+00	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.365	3.63E-01	3.61E+00	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.25	4.67E-01	5.40E+00	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.985	5.00E-01	4.70E+00	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.153	3.20E-01	2.80E+00	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.955	3.60E-01	3.81E+00	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.14	4.27E-01	3.63E+00	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.38	1.63E-01	1.40E+00	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	8.42	2.94E-01	2.54E+00	—	pCi/L	—	—	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	6.14	2.98E-01	2.71E+00	—	pCi/L	—	J	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	7.63	7.00E-01	5.90E+00	—	pCi/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	9.26	3.19E-01	2.80E+00	—	pCi/L	—	—	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	7.17	2.63E-01	2.35E+00	—	pCi/L	—	J	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	2.96	3.33E+00	1.50E+01	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	59.7	1.40E+01	1.90E+02	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	60.2	1.94E+01	2.23E+02	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	94	3.63E+01	2.91E+02	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	41.3	8.33E+00	6.50E+01	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.4	4.33E+00	2.80E+01	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	56.5	1.27E+01	1.70E+02	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	53.6	1.77E+01	1.77E+02	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	88.8	3.24E+01	3.49E+02	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.7	4.00E+00	3.50E+01	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.45	3.33E+00	3.40E+01	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.9	2.62E+00	2.58E+01	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.8	2.66E+00	2.75E+01	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.91	3.67E+00	3.60E+01	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.582	4.67E+00	4.30E+01	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.23	2.77E+00	2.40E+01	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.59	2.22E+00	2.35E+01	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.22	2.68E+00	2.41E+01	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00903	2.83E-03	3.20E-02	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00557	2.57E-03	3.60E-02	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0114	2.69E-03	3.94E-02	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.002	3.97E-03	4.20E-02	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00162	5.33E-04	2.40E-02	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00171	1.27E-03	2.40E-02	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0115	3.67E-03	3.70E-02	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00211	1.86E-03	4.37E-02	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0142	4.93E-03	5.90E-02	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00226	1.30E-03	3.90E-02	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.97E-03	3.80E-02	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	9.05E-10	2.19E-03	3.33E-02	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00801	2.50E-03	3.50E-02	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00808	1.20E-03	3.00E-02	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0171	1.83E-03	2.90E-02	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00382	2.37E-03	3.90E-02	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00842	2.81E-03	3.69E-02	—	pCi/L	U	U	145195	GU05090PE1M01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0313	3.47E-03	5.00E-02	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-40.9	8.67E+00	7.70E+01	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	39.1	6.33E+00	5.00E+01	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	46.2	4.00E+00	5.19E+01	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	29.9	4.00E+00	4.90E+01	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.41	5.67E+00	5.90E+01	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-48.3	6.33E+00	5.20E+01	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.7	4.00E+00	3.60E+01	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	32.2	3.50E+00	4.62E+01	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24.8	4.67E+00	3.33E+01	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.746	6.33E-01	6.20E+00	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.33	4.00E-01	4.10E+00	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.3	2.76E-01	3.22E+00	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0188	3.43E-01	3.31E+00	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.05	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.132	6.00E-01	5.90E+00	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.967	2.97E-01	2.40E+00	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.61	3.33E-01	3.25E+00	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.334	2.68E-01	2.93E+00	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.688	4.67E-02	3.20E-01	—	pCi/L	—	—	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0918	4.33E-02	4.90E-01	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.606	3.14E-02	2.73E-01	—	pCi/L	—	J	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.505	2.42E-02	2.16E-01	—	pCi/L	—	J	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.329	5.33E-02	4.80E-01	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.918	6.33E-02	4.70E-01	—	pCi/L	—	—	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.247	5.33E-02	5.20E-01	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.505	3.25E-02	3.19E-01	—	pCi/L	—	J	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.453	2.68E-02	2.43E-01	—	pCi/L	—	J	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.088	9.00E-03	1.80E-01	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.1	7.00E-03	1.90E-01	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.12	8.00E-03	6.40E-02	—	pCi/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0726	5.67E-03	1.10E-01	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0668	4.33E-03	6.40E-02	—	pCi/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.133	6.70E-03	7.53E-02	—	pCi/L	—	J	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0851	5.83E-03	8.60E-02	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.113	6.67E-03	8.20E-02	—	pCi/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.119	6.00E-03	7.20E-02	—	pCi/L	—	—	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.106	5.67E-03	7.00E-02	—	pCi/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.128	6.57E-03	8.30E-02	—	pCi/L	—	J	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.129	6.60E-03	7.30E-02	—	pCi/L	—	J	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0245	3.33E-03	6.00E-02	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00669	1.97E-03	3.20E-02	—	pCi/L	U	U	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	2.50E-03	5.67E-02	—	pCi/L	U	U	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0284	3.57E-03	5.30E-02	—	pCi/L	U	U	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0177	2.80E-03	4.70E-02	—	pCi/L	U	U	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.60E-03	3.80E-02	—	pCi/L	U	U	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0195	2.33E-03	3.50E-02	—	pCi/L	U	U	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.037	3.77E-03	6.25E-02	—	pCi/L	U	U	145195	GU05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0336	3.43E-03	4.50E-02	—	pCi/L	U	U	135660	GU05040PE1M01	GELC
M-1E	n/a	n/a	08/18/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0462	4.67E-03	5.90E-02	—	pCi/L	U	U	08-1707	CAMO-08-14417	GELC
M-1E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0577	4.00E-03	3.80E-02	—	pCi/L	—	—	08-677	CAMO-08-10864	GELC
M-1E	n/a	n/a	09/09/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0889	5.07E-03	5.33E-02	—	pCi/L	—	J	145195	GF05090PE1M01	GELC
M-1E	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0737	5.33E-03	6.10E-02	—	pCi/L	—	J	135660	GF05040PE1M01	GELC
M-1E	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.131	7.00E-03	4.30E-02	—	pCi/L	—	—	09-2908	CAMO-09-9442	GELC
M-1E	n/a	n/a	08/18/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0628	4.00E-03	3.80E-02	—	pCi/L	—	—	08-1707	CAMO-08-14419	GELC
M-1E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0966	5.00E-03	4.10E-02	—	pCi/L	—	—	08-677	CAMO-08-10863	GELC
M-1E	n/a	n/a	09/09/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.103	6.03E-03	5.87E-02	—	pCi/L	—	J	145195	GU05090PE1M01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1E	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.129	6.50E-03	5.20E-02	—	pCi/L	—	J	135660	GU05040PE1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000422	—	—	4.22E-05	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000572	—	—	5.72E-05	µg/L	—	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.000115	—	—	1.15E-04	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000213	—	—	2.13E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000439	—	—	—	µg/L	—	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00009	—	—	9.00E-05	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000114	—	—	1.14E-04	µg/L	—	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000211	—	—	2.11E-04	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000213	—	—	2.13E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000104	—	—	—	µg/L	—	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.00000657	—	—	6.57E-06	µg/L	J	J	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.00000875	—	—	8.75E-06	µg/L	J	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	—	0.0000154	—	—	1.54E-05	µg/L	J	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000112	—	—	1.12E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	<	0.00000104	—	—	—	µg/L	—	U	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000205	—	—	2.05E-05	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000255	—	—	2.55E-05	µg/L	—	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000514	—	—	5.14E-05	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.00000121	—	—	1.21E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.00000283	—	—	—	µg/L	U	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.00000909	—	—	9.09E-06	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.0000105	—	—	1.05E-05	µg/L	—	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.0000123	—	—	1.23E-05	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.000000803	—	—	8.03E-07	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000283	—	—	—	µg/L	U	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00061	—	—	6.10E-04	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000808	—	—	8.08E-04	µg/L	B	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00147	—	—	1.47E-03	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000132	—	—	1.32E-05	µg/L	J	J	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000038	—	—	—	µg/L	—	U	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.0000193	—	—	1.93E-05	µg/L	J	J	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.000023	—	—	2.30E-05	µg/L	J	J, J+	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.0000373	—	—	3.73E-05	µg/L	J	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000239	—	—	2.39E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000566	—	—	—	µg/L	U	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.00000872	—	—	8.72E-06	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.0000105	—	—	1.05E-05	µg/L	—	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.0000168	—	—	1.68E-05	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	<	0.00000166	—	—	1.66E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Pentachlorodibenzofurans (Totals)	—	0.000000861	—	—	—	µg/L	—	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	—	0.00000321	—	—	3.21E-06	µg/L	—	—	09-2906	CAMO-09-9440	ALTC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	—	0.00000172	—	—	1.72E-06	µg/L	—	J	29367	AU070800PW1M01	ALTC
M-1W	n/a	n/a	06/18/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	—	0.00000515	—	—	5.15E-06	µg/L	—	J	29117	AU070600PW1M01	ALTC
M-1W	n/a	n/a	02/28/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	<	0.00000012	—	—	1.20E-06	µg/L	U	UJ	28751	AU070200PW1M01	ALTC
M-1W	n/a	n/a	10/20/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Tetrachlorodibenzofurans (Totals)	<	0.00000136	—	—	—	µg/L	U	—	G341-269	GU060900PW1M01	SGSW
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.25E-01	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/13/08	WS	F	CS	—	Gen													

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	7.58	—	—	3.00E-02	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	23	—	—	1.32E-01	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.391	—	—	3.30E-02	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	344	—	—	3.50E-01	mg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	368	—	—	4.30E-01	mg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	14.5	—	—	4.25E-01	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	340	—	—	3.50E-01	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	30	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	391	—	—	4.30E-01	mg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.2	—	—	4.25E-01	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.22	—	—	8.50E-02	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.15	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	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	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.9	—	—	8.50E-02	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.14	—	—	5.00E-02	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.8	—	—	5.00E-02	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	69.5	—	—	3.20E-02	mg/L	—	J	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	68.6	—	—	4.50E-02	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.3	—	—	4.50E-02	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	229	—	—	1.00E+00	µS/cm	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	3570	—	—	1.00E+00	µS/cm	—	—	09-893	CAMO-09-2378	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	08/13/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	500	—	—	1.00E+00	µS/cm	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	4660	—	—	1.00E+00	µS/cm	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	339	—	—	1.00E+00	µS/cm	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.2	—	—	1.00E-01	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	285	—	—	2.38E+00	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.749	—	—	2.90E-02	mg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.02	—	—	3.30E-02	mg/L	—	—	09-2907	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.106	—	—	2.90E-02	mg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.361	—	—	2.90E-02	mg/L	—	J+	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.489	—	—	2.90E-02	mg/L	—	J	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.15	—	—	2.90E-02	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	11.7	—	—	6.60E-01	mg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/20/07	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	911	—	—	6.80E+01	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	10300	—	—	6.80E+01	µg/L	N	J+	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	507	—	—	6.80E+01	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	7500	—	—	6.80E+01	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1350	—	—	6.80E+01	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	423	—	—	6.80E+01	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	10600	—	—	6.80E+01	µg/L	N	J+	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2360	—	—	6.80E+01	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	45900	—	—	6.80E+01	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.79	—	—	1.50E+00	µg/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	6.7	—	—	1.50E+00	µg/L	—	U	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.71	—	—	1.50E+00	µg/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.1	—	—	1.50E+00	µg/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	8.4	—	—	1.50E+00	µg/L	—	U	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	69.4	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	1170	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	75.9	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	1170	—	—	1.00E+00	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	52.1	—	—	1.00E+00	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	115	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	1170	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	166	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14416	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	1190	—	—	1.00E+00	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	192	—	—	1.00E+00	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	1	—	—	1.00E+00	µg/L	U	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.15	—	—	1.00E+00	µg/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.9	—	—	1.00E+00	µg/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	2.6	—	—	1.00E+00	µg/L	J	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	28	—	—	1.50E+01	µg/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	25.7	—	—	1.00E+01	µg/L	J	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	44.5	—	—	1.00E+01	µg/L	J	J	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	27.7	—	—	1.00E+01	µg/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	51.9	—	—	1.00E+01	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	33	—	—	1.50E+01	µg/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	23.9	—	—	1.00E+01	µg/L	J	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	44	—	—	1.00E+01	µg/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.00E+01	µg/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	61.9	—	—	1.00E+01	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.118	—	—	1.10E-01	µg/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.58	—	—	1.10E-01	µg/L	J	J	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	µg/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	1.4	—	—	1.10E-01	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.18	—	—	1.10E-01	µg/L	J	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.173	—	—	1.10E-01	µg/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.57	—	—	1.10E-01	µg/L	J	J	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.3	—	—	1.10E-01	µg/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	1.7	—	—	1.10E-01	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.55	—	—	1.10E-01	µg/L	J	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.12	—	—	2.50E+00	µg/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	9.8	—	—	1.50E+00	µg/L	—	J	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	1.00E+00	µg/L	—	J+	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.02	—	—	2.50E+00	µg/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	33.1	—	—	1.50E+00	µg/L	—	J	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	µg/L	U	U	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	26.3	—	—	1.00E+00	µg/L	—	J+	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	951	—	—	3.00E+01	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	6130	—	—	2.50E+01	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	304	—	—	2.50E+01	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	4490	—	—	2.50E+01	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1430	—	—	3.00E+01	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	217	—	—	2.50E+01	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	6580	—	—	2.50E+01	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1420	—	—	2.50E+01	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	28100	—	—	2.50E+01	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Lead	—	10.9	—	—	5.00E-01	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	6.5	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Lead	—	6.3	—	—	5.00E-01	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	20.9	—	—	5.00E-01	µg/L	—	—	09-2908	CAMO-09-9440	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	35.1	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.6	—	—	5.00E-01	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	31	—	—	5.00E-01	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.6	—	—	2.00E+00	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	13.4	—	—	2.00E+00	µg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	31.1	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	70.2	—	—	2.00E+00	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	38.8	—	—	2.00E+00	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	64.2	—	—	2.00E+00	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	16.6	—	—	2.00E+00	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	60.4	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	94.9	—	—	2.00E+00	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	138	—	—	2.00E+00	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	43.9	—	—	1.00E-01	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	µg/L	—	J	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	104	—	—	1.00E-01	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	51.7	—	—	2.00E+00	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	151	—	—	2.00E+00	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	38.4	—	—	1.00E-01	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	µg/L	—	J	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	113	—	—	1.00E-01	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	33	—	—	2.00E+00	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	157	—	—	2.00E+00	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.9	—	—	5.00E-01	µg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.5	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	µg/L	—	J	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.7	—	—	5.00E-01	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.9	—	—	5.00E-01	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.3	—	—	5.00E-01	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.6	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.8	—	—	5.00E-01	µg/L	—	J	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	14	—	—	5.00E-01	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	20.5	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	553	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	24.4	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	642	—	—	1.00E+00	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	18.2	—	—	1.00E+00	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	32.1	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	546	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	43.5	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	688	—	—	1.00E+00	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	42.6	—	—	1.00E+00	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	—	0.712	—	—	3.00E-01	µg/L	J	J	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Thallium	—	0.47	—	—	3.00E-01	µg/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	0.3	—	—	3.00E-01	µg/L	U	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.301	—	—	3.00E-01	µg/L	J	J	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.42	—	—	3.00E-01	µg/L	J	J	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-637	CAMO-08-10880	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.33	—	—	3.00E-01	µg/L	J	U	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.534	—	—	5.00E-02	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.052	—	—	5.00E-02	µg/L	J	J	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	5.00E-02	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.764	—	—	5.00E-02	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.11	—	—	5.00E-02	µg/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.95	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.9	—	—	1.00E+00	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	21.6	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.4	—	—	1.00E+00	µg/L	J	J	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	48.7	—	—	1.00E+00	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	75.3	—	—	3.30E+00	µg/L	—	—	09-2908	CAMO-09-9438	GELC
M-1W	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	148	—	—	2.00E+00	µg/L	—	—	09-893	CAMO-09-2378	GELC
M-1W	n/a	n/a	08/13/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	70.6	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14415	GELC
M-1W	n/a	n/a	02/14/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	245	—	—	2.00E+00	µg/L	—	—	08-637	CAMO-08-10878	GELC
M-1W	n/a	n/a	08/20/07	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	53.4	—	—	2.00E+00	µg/L	—	—	192146	GF070800PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	137	—	—	3.30E+00	µg/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	152	—	—	2.00E+00	µg/L	—	—	09-893	CAMO-09-2379	GELC
M-1W	n/a	n/a	08/13/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	209	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14416	GELC
M-1W	n/a	n/a	02/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	275	—	—	2.00E+00	µg/L	—	—	08-637	CAMO-08-10880	GELC
M-1W	n/a	n/a	08/20/07	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	279	—	—	2.00E+00	µg/L	—	—	192146	GU070800PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0238	6.07E-03	4.01E-02	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00572	7.43E-03	6.51E-02	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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
M-1W	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.24	3.20E-01	3.66E+00	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.16	4.67E-01	3.95E+00	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.298	2.83E-01	3.37E+00	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.615	3.40E-01	3.67E+00	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	11.4	5.67E-01	2.90E+00	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	04/27/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	6.22	2.58E-01	2.50E+00	—	pCi/L	—	J	135494	GF05040PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	04/27/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	13.1	3.40E-01	2.96E+00	—	pCi/L	—	—	135494	GU05040PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	87.9	2.18E+01	2.54E+02	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	64	2.32E+01	2.24E+02	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.15	2.82E+00	2.51E+01	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.21	2.24E+00	2.40E+01	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.022	4.97E-03	5.07E-02	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.133	7.47E-03	7.10E-02	—	pCi/L	—	J	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00732	3.15E-03	4.28E-02	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0239	3.80E-03	6.00E-02	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	16.7	3.77E+00	4.59E+01	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.4	4.40E+00	5.35E+01	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.934	3.19E-01	3.57E+00	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.898	3.43E-01	4.09E+00	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0616	2.13E-02	2.78E-01	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0401	2.15E-02	2.63E-01	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	—	0.571	2.23E-02	2.00E-01	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	—	0.346	1.53E-02	2.10E-01	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	08/17/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.582	2.20E-02	7.10E-02	—	pCi/L	—	—	09-2908	CAMO-09-9440	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.166	8.47E-03	8.90E-02	—	pCi/L	—	J	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.274	1.28E-02	1.27E-01	—	pCi/L	—	J	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0433	4.57E-03	6.70E-02	—	pCi/L	U	U	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0411	5.97E-03	9.55E-02	—	pCi/L	U	U	145195	GU05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	09/08/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.149	7.77E-03	6.30E-02	—	pCi/L	—	J	145195	GF05090PW1M01	GELC
M-1W	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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
M-1W	n/a	n/a	09/08/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.287	1.26E-02	8.98E-02	—	pCi/L	—	—	145195	GU05090PW1M01	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000114	—	—	1.14E-05	µg/L	J	J	09-2823	CAMO-09-9485	ALTC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000353	—	—	3.53E-06	µg/L	J	J	08-598	CAMO-08-10489	ALTC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000388	—	—	3.88E-06	µg/L	U	R	29126	AU070500GMA101	ALTC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000166	—	—	1.66E-05	µg/L	—	J	28785	AU070200GMA101	ALTC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000478	—	—	—	µg/L	—	U	G341-272	GU060900GMA101	SGSW
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000254	—	—	2.54E-05	µg/L	—	—	09-2823	CAMO-09-9485	ALTC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000765	—	—	7.65E-06	µg/L	—	—	08-598	CAMO-08-10489	ALTC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000499	—	—	4.99E-06	µg/L	—	J	29126	AU070500GMA101	ALTC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000166	—	—	1.66E-05	µg/L	—	J	28785	AU070200GMA101	ALTC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000977	—	—	—	µg/L	—	—	G341-272	GU060900GMA101	SGSW

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000491	—	—	4.91E-06	µg/L	—	—	09-2823	CAMO-09-9485	ALTC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.00000118	—	—	1.18E-06	µg/L	—	—	08-598	CAMO-08-10489	ALTC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.00000141	—	—	1.41E-06	µg/L	U	UJ	29126	AU070500GMA101	ALTC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	—	0.0000113	—	—	1.13E-05	µg/L	—	J	28785	AU070200GMA101	ALTC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzofurans (Total)	<	0.00000273	—	—	—	µg/L	U	—	G341-272	GU060900GMA101	SGSW
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00012	—	—	1.20E-04	µg/L	—	—	09-2823	CAMO-09-9485	ALTC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000358	—	—	3.58E-05	µg/L	J	J	08-598	CAMO-08-10489	ALTC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000689	—	—	6.89E-05	µg/L	—	J	29126	AU070500GMA101	ALTC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000193	—	—	1.93E-04	µg/L	—	J	28785	AU070200GMA101	ALTC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000328	—	—	—	µg/L	—	U	G341-272	GU060900GMA101	SGSW
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00000627	—	—	6.27E-06	µg/L	J	J	09-2823	CAMO-09-9485	ALTC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.000005	—	—	5.00E-06	µg/L	U	U	08-598	CAMO-08-10489	ALTC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00000313	—	—	3.13E-06	µg/L	J	J	29126	AU070500GMA101	ALTC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.0000103	—	—	1.03E-05	µg/L	J	J	28785	AU070200GMA101	ALTC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000249	—	—	—	µg/L	—	U	G341-272	GU060900GMA101	SGSW
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	44.1	—	—	7.30E-01	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.9	—	—	7.30E-01	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	31	—	—	7.30E-01	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	41.5	—	—	7.30E-01	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65	—	—	7.30E-01	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	3.00E-02	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.38	—	—	3.00E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	3.00E-02	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	3.00E-02	mg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.92	—	—	3.00E-02	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	3.00E-02	mg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.2	—	—	1.30E-01	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31	—	—	1.30E-01	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	15.3	—	—	6.60E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	24.4	—	—	3.30E-01	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	68	—	—	6.60E-01	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.255	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.171	—	—	3.30E-02	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.209	—	—	3.30E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	3.30E-02	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.128	—	—	3.30E-02	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.1	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.2	—	—	3.50E-01	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	22.5	—	—	3.50E-01	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	4.30E-01	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.9	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.9	—	—	3.50E-01	mg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	36.5	—	—	3.50E-01	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.3	—	—	3.50E-01	mg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.03	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.06	—	—	8.50E-02	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.59	—	—	8.50E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.43	—	—	8.50E-02	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	8.50E-02	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.8	—	—	8.50E-02	mg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.76	—	—	8.50E-02	mg/L	—	—	08-1193	CAMO-08-12713	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0945	—	—	5.00E-02	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.226	—	—	5.00E-02	µg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.446	—	—	5.00E-02	µg/L	—	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.316	—	—	5.00E-02	µg/L	—	J+	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.565	—	—	5.00E-02	µg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.34	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.77	—	—	5.00E-02	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.41	—	—	5.00E-02	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.64	—	—	5.00E-02	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.69	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.59	—	—	5.00E-02	mg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.72	—	—	5.00E-02	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.63	—	—	5.00E-02	mg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.6	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.2	—	—	4.50E-02	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.4	—	—	4.50E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.6	—	—	4.50E-02	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	33.8	—	—	4.50E-02	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.6	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.5	—	—	4.50E-02	mg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.5	—	—	4.50E-02	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.7	—	—	4.50E-02	mg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	199	—	—	1.00E+00	µS/cm	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	213	—	—	1.00E+00	µS/cm	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	µS/cm	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	µS/cm	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	278	—	—	1.00E+00	µS/cm	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.93	—	—	1.00E-01	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.85	—	—	1.00E-01	mg/L	—	J-	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.01	—	—	1.00E-01	mg/L	—	J-	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.11	—	—	1.00E-01	mg/L	—	J-	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.1	—	—	1.00E-01	mg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	191	—	—	2.40E+00	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	245	—	—	2.40E+00	mg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	216	—	—	2.40E+00	mg/L	—	J	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.162	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.235	—	—	2.90E-02	mg/L	—	J-	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.09	—	—	2.90E-02	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.682	—	—	2.90E-02	mg/L	—	J-	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.188	—	—	2.90E-02	mg/L	—	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.46	—	—	6.60E-01	mg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.28	—	—	1.70E+00	mg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.8	—	—	6.60E-01	mg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.2	—	—	6.60E-01	mg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.18	—	—	3.30E-01	mg/L	—	—	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.5	—	—	1.00E-02	SU	H	J-	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.62	—	—	1.00E-02	SU	H	J-	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.19	—	—	1.00E-02	SU	H	J-	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.77	—	—	1.00E-02	SU	H	J-	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.68	—	—	1.00E-02	SU	H	J-	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	3850	—	—	6.80E+01	µg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	2430	—	—	6.80E+01	µg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	814	—	—	6.80E+01	µg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	19900	—	—	6.80E+01	µg/L	N	J+	08-1193	CAMO-08-12712	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	808	—	—	6.80E+01	µg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	12200	—	—	6.80E+01	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	17300	—	—	6.80E+01	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	14400	—	—	6.80E+01	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	30400	—	—	6.80E+01	µg/L	N	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	53.5	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	50.1	—	—	1.00E+00	µg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	µg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.1	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.8	—	—	1.00E+00	µg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	93.6	—	—	1.00E+00	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	99.7	—	—	1.00E+00	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	115	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.4	—	—	1.00E+01	µg/L	J	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.7	—	—	1.00E+01	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	1.00E+01	µg/L	J	J	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.2	—	—	1.00E+01	µg/L	J	J	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	µg/L	J	J	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34	—	—	1.00E+01	µg/L	J	J	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	31.2	—	—	1.00E+01	µg/L	J	J	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.1	—	—	1.00E+01	µg/L	J	J	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	3.15	—	—	1.00E+00	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.7	—	—	1.00E+00	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	6.5	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.2	—	—	1.00E+00	µg/L	J	J	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.2	—	—	1.00E+00	µg/L	J	J	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.2	—	—	1.00E+00	µg/L	J	J	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	5.5	—	—	3.00E+00	µg/L	J	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.6	—	—	3.00E+00	µg/L	J	J	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.61	—	—	3.00E+00	µg/L	J	J	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5	—	—	3.00E+00	µg/L	J	J	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	—	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.1	—	—	3.00E+00	µg/L	J	J	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2220	—	—	3.00E+01	µg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1230	—	—	2.50E+01	µg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	557	—	—	2.50E+01	µg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	11000	—	—	2.50E+01	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	449	—	—	2.50E+01	µg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	7160	—	—	3.00E+01	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	9680	—	—	2.50E+01	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	8730	—	—	2.50E+01	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	17300	—	—	2.50E+01	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.531	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.96	—	—	5.00E-01	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	4.6	—	—	5.00E-01	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.51	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	4.1	—	—	5.00E-01	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	10.2	—	—	5.00E-01	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	7.6	—	—	5.00E-01	µg/L	—	—	08-1193	CAMO-08-12713	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	23.6	—	—	2.00E+00	µg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.5	—	—	2.00E+00	µg/L	J	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.9	—	—	2.00E+00	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	55.6	—	—	2.00E+00	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.6	—	—	2.00E+00	µg/L	J	J	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	44	—	—	2.00E+00	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	43.1	—	—	2.00E+00	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	70.9	—	—	2.00E+00	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	76.3	—	—	2.00E+00	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	µg/L	—	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1	—	—	1.00E-01	µg/L	—	U	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2	—	—	1.00E-01	µg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	µg/L	—	U	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	µg/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	µg/L	—	J	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	J	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	µg/L	—	U	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.83	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.8	—	—	5.00E-01	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	µg/L	J	J	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5	—	—	5.00E-01	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.8	—	—	5.00E-01	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.5	—	—	5.00E-01	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	48.5	—	—	5.30E-02	mg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.9	—	—	3.20E-02	mg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	31.3	—	—	3.20E-02	mg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	109	—	—	3.20E-02	mg/L	—	J-	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	30	—	—	3.20E-02	mg/L	N	J+	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	5.00E+00	µg/L	—	—	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.9	—	—	1.00E+00	µg/L	—	—	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	36.2	—	—	1.00E+00	µg/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	µg/L	—	—	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.7	—	—	5.00E+00	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.5	—	—	1.00E+00	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.8	—	—	1.00E+00	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.1	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.127	—	—	5.00E-02	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.13	—	—	5.00E-02	µg/L	J	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.14	—	—	5.00E-02	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.274	—	—	5.00E-02	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.98	—	—	5.00E-02	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.68	—	—	5.00E-02	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.27	—	—	1.00E+00	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.6	—	—	1.00E+00	µg/L	J	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.5	—	—	1.00E+00	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.8	—	—	1.00E+00	µg/L	J	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.3	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	µg/L	—	—	09-230	CAMO-09-760	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.9	—	—	1.00E+00	µg/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	22.5	—	—	1.00E+00	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.4	—	—	3.30E+00	µg/L	J	J	09-2803	CAMO-09-9486	GELC
MCA-1	5601	2.4	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.7	—	—	2.00E+00	µg/L	J	J	09-230	CAMO-09-759	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.6	—	—	2.00E+00	µg/L	J	J	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	05/20/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	37	—	—	2.00E+00	µg/L	—	—	08-1193	CAMO-08-12712	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4	—	—	2.00E+00	µg/L	J	J	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.7	—	—	3.30E+00	µg/L	—	—	09-2803	CAMO-09-9485	GELC
MCA-1	5601	2.4	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36	—	—	2.00E+00	µg/L	—	—	09-230	CAMO-09-760	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	37.7	—	—	2.00E+00	µg/L	—	J	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	05/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	59.4	—	—	2.00E+00	µg/L	—	—	08-1193	CAMO-08-12713	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Pest	SW-846:8081A	BHC[delta-]	—	0.0104	—	—	6.30E-03	µg/L	JP	J	09-2804	CAMO-09-9485	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Pest	SW-846:8081A	BHC[delta-]	<	0.0235	—	—	5.90E-03	µg/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Pest	SW-846:8081A	BHC[delta-]	<	0.022	—	—	5.49E-03	µg/L	U	—	188434	GU070500GMA101	GELC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Pest	SW-846:8081A	BHC[delta-]	<	0.0211	—	—	5.26E-03	µg/L	U	—	182055	GU070200GMA101	GELC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Pest	SW-846:8081A	BHC[delta-]	<	0.0213	—	—	5.32E-03	µg/L	U	—	175502	GU060900GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Pest	SW-846:8081A	BHC[gamma-]	—	0.0101	—	—	6.30E-03	µg/L	JP	J	09-2804	CAMO-09-9485	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Pest	SW-846:8081A	BHC[gamma-]	<	0.0235	—	—	5.90E-03	µg/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Pest	SW-846:8081A	BHC[gamma-]	<	0.022	—	—	5.49E-03	µg/L	U	—	188434	GU070500GMA101	GELC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Pest	SW-846:8081A	BHC[gamma-]	<	0.0211	—	—	5.26E-03	µg/L	U	—	182055	GU070200GMA101	GELC
MCA-1	5601	2.4	11/01/06	WG	UF	CS	—	Pest	SW-846:8081A	BHC[gamma-]	<	0.0213	—	—	5.32E-03	µg/L	U	—	175502	GU060900GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00373	2.07E-03	3.40E-02	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0011	1.57E-03	3.50E-02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00376	1.06E-03	2.07E-02	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	9.67E-04	2.80E-02	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0079	2.87E-03	3.30E-02	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0164	1.90E-03	4.00E-02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0144	5.37E-03	2.62E-02	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.236	5.00E-01	4.50E+00	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.2	3.67E-01	3.70E+00	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.53	3.63E-01	3.65E+00	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.32	4.67E-01	4.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.28	4.00E-01	4.80E+00	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.491	6.00E-01	5.10E+00	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.03	4.00E-01	3.62E+00	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.954	4.67E-01	4.10E+00	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1	2.97E-01	3.30E+00	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.477	3.33E-01	3.79E+00	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.946	5.00E-01	4.60E+00	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.623	5.33E-01	5.00E+00	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.52	5.00E-01	5.40E+00	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.14	4.47E-01	4.05E+00	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.22	1.43E-01	1.20E+00	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	6.54	2.09E-01	1.95E+00	—	pCi/L	—	—	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/31/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	6.03	3.63E-01	4.01E+00	—	pCi/L	—	J	144703	GF05080GMA101	GELC
MCA-1	5601	2.4	04/26/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.97	2.31E-01	2.34E+00	—	pCi/L	—	J	135408	GF05040GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.02	3.67E-01	2.10E+00	—	pCi/L	—	—	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.83	2.55E-01	2.40E+00	—	pCi/L	—	—	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/31/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	10.5	3.53E-01	3.12E+00	—	pCi/L	—	—	144703	GU05080GMA101	GELC
MCA-1	5601	2.4	04/26/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.58	2.82E-01	2.57E+00	—	pCi/L	—	J	135408	GU05040GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	10.2	3.33E+00	1.30E+01	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	87.3	2.13E+01	2.40E+02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	102	2.65E+01	2.47E+02	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	65.2	7.67E+00	5.70E+01	—	pCi/L	—	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19.5	4.33E+00	3.00E+01	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	97.8	1.77E+01	2.40E+02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	84.7	2.94E+01	2.49E+02	—	pCi/L	U	U	167125	GU060500GMA101	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.12	3.67E+00	3.50E+01	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.13	3.13E+00	3.10E+01	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.07	2.57E+00	2.82E+01	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.49	4.00E+00	3.80E+01	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.877	3.30E+00	3.40E+01	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	20	3.67E+00	3.20E+01	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-21.4	3.18E+00	2.61E+01	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0275	3.67E-03	3.80E-02	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00201	9.67E-04	3.70E-02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00235	2.08E-03	2.26E-02	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0128	5.00E-03	4.10E-02	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00657	2.43E-03	3.10E-02	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	1.39E-10	1.10E-03	4.30E-02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0249	4.33E-03	2.18E-02	—	pCi/L	—	J	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00824	2.07E-03	4.70E-02	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00604	1.50E-03	4.30E-02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0047	1.92E-03	2.63E-02	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00255	2.83E-03	5.00E-02	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0175	2.53E-03	3.70E-02	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	5.56E-10	1.90E-03	5.00E-02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0226	2.63E-03	2.54E-02	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.1	6.00E+00	5.80E+01	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.95	5.33E+00	5.50E+01	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	66.6	5.00E+00	6.91E+01	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.9	5.00E+00	4.60E+01	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	37.6	6.00E+00	6.80E+01	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.6	6.33E+00	5.10E+01	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.88	5.57E+00	5.13E+01	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	04/26/05	WG	F	CS	—	Rad	EPA:903.1	Radium-226	—	1.94	1.07E-01	6.27E-01	—	pCi/L	—	—	135408	GF05040GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.265	4.67E-02	4.20E-01	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.854	6.67E-02	4.10E-01	—	pCi/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.203	3.00E-02	2.50E-01	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	04/26/05	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.577	6.50E-02	5.38E-01	—	pCi/L	—	J	135408	GU05040GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.706	9.33E-02	7.90E-01	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.53	1.00E-01	4.80E-01	—	pCi/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.348	5.67E-02	5.40E-01	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.00917	4.33E-01	4.30E+00	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0497	3.67E-01	3.60E+00	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.395	3.40E-01	4.17E+00	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.211	5.00E-01	4.90E+00	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.579	3.23E-01	2.80E+00	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.496	5.00E-01	5.10E+00	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.46	3.57E-01	4.18E+00	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0852	3.33E-02	3.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0982	2.87E-02	3.50E-01	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.267	2.98E-02	3.32E-01	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.091	3.23E-02	3.40E-01	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0391	2.50E-02	2.60E-01	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.365	4.33E-02	3.90E-01	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0107	2.44E-02	3.61E-01	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	191	2.17E+01	2.00E+02	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	109	1.47E+01	1.30E+02	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	10.4	1.47E+01	1.50E+02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.7162	8.51E-01	2.87E-01	—	pCi/L	—	—	2357	UU070500GMA101	UMTL
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.3969	8.51E-01	2.87E-01	—	pCi/L	—	—	2317	UU070200GMA101	UMTL
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0843	9.33E-03	1.80E-01	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0532	3.67E-03	6.80E-02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.103	5.73E-03	4.38E-02	—	pCi/L	—	J	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0963	6.67E-03	1.00E-01	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.51	2.63E-02	2.40E-01	—	pCi/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0313	3.00E-03	6.60E-02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.225	8.87E-03	4.48E-02	—	pCi/L	—	—	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00651	3.67E-03	1.00E-01	—	pCi/L	U	U	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0047	1.57E-03	3.40E-02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0104	1.74E-03	3.69E-02	—	pCi/L	U	U	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00667	2.23E-03	5.00E-02	—	pCi/L	U	U	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0175	7.33E-03	1.30E-01	—	pCi/L	U	U	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00228	1.30E-03	3.20E-02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0239	2.97E-03	3.78E-02	—	pCi/L	U	U	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.1	9.67E-03	9.50E-02	—	pCi/L	—	—	08-1657	CAMO-08-14457	GELC
MCA-1	5601	2.4	02/07/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0114	2.70E-03	4.00E-02	—	pCi/L	U	U	08-603	CAMO-08-10490	GELC
MCA-1	5601	2.4	07/12/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.105	5.70E-03	4.66E-02	—	pCi/L	—	J	167125	GF060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0972	6.33E-03	5.10E-02	—	pCi/L	—	—	09-2805	CAMO-09-9485	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.411	2.37E-02	1.30E-01	—	pCi/L	—	—	08-1657	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0221	2.17E-03	3.90E-02	—	pCi/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	07/12/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.2	8.03E-03	4.76E-02	—	pCi/L	—	—	167125	GU060500GMA101	GELC
MCA-1	5601	2.4	08/06/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.39	—	—	3.00E-01	µg/L	J	J	09-2804	CAMO-09-9484	GELC
MCA-1	5601	2.4	08/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1658	CAMO-08-14456	GELC
MCA-1	5601	2.4	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-599	CAMO-08-10489	GELC
MCA-1	5601	2.4	06/20/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	188434	GU070500GMA101	GELC
MCA-1	5601	2.4	03/06/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	182055	GU070200GMA101	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	08/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	24.7	—	—	7.30E-01	mg/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.316	—	—	1.60E-02	mg/L	—	J	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.139	—	—	3.00E-02	mg/L	—	J-	09-815	CAMO-09-2411	GELC
MCO-0.6	5641	1.05	11/05/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.127	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.032	—	—	3.00E-02	mg/L	J	J	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.209	—	—	3.00E-02	mg/L	—	J-	08-1254	CAMO-08-12723	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	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	08-1657	CAMO-08-14443	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	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	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-755	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	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	625	—	—	6.60E+00	mg/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	03/07/07	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00659	—	—	1.50E-03	mg/L	—	JN-	182055	GF070200GM0601	GELC
MCO-0.6	5641	1.05	10/27/06	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00386	—	—	1.50E-03	mg/L	J	JN-	175118	GF060900GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00284	—	—	1.70E-03	mg/L	J	J	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.0029	—	—	1.50E-03	mg/L	J	J	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	06/19/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00318	—	—	1.50E-03	mg/L	J	JN-	188309	GU070500GM0601	GELC
MCO-0.6	5641	1.05	03/07/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.0043	—	—	1.50E-03	mg/L	J	JN-	182055	GU070200GM0601	GELC
MCO-0.6	5641	1.05	10/27/06	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00291	—	—	1.50E-03	mg/L	J	JN-	175118	GU060900GM0601	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.085	—	—	3.30E-02	mg/L	J	J	08-1657	CAMO-08-14443	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	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	11/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.2	—	—	3.50E-01	mg/L	—	—	09-217	CAMO-09-755	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	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	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.5	—	—	8.50E-02	mg/L	—	—	09-217	CAMO-09-755	GELC
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	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	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-217	CAMO-09-755	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	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	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	174	—	—	4.50E-02	mg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1220	—	—	1.00E+00	µS/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	µS/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	µS/cm	—	—	09-217	CAMO-09-756	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	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	26.4	—	—	1.00E-01	mg/L	—	J-	08-1657	CAMO-08-14443	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	08/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	1280	—	—	2.40E+00	mg/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.36	—	—	3.30E-02	mg/L	—	J-	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.745	—	—	2.90E-02	mg/L	—	J+	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.08	—	—	2.90E-02	mg/L	—	J-	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.16	—	—	2.90E-02	mg/L	—	—	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.52	—	—	2.90E-02	mg/L	—	J-	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	39.8	—	—	1.70E+00	mg/L	—	—	09-2803	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	02/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	15.3	—	—	3.30E-01	mg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	20.9	—	—	1.70E+00	mg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.94	—	—	3.30E-01	mg/L	—	—	08-1657	CAMO-08-14442	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	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	156	—	—	6.80E+01	µg/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	µg/L	N	J+	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3790	—	—	6.80E+01	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	12600	—	—	6.80E+01	µg/L	N	J+	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.76	—	—	1.50E+00	µg/L	J	J	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/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	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.29	—	—	1.50E+00	µg/L	J	J	09-2803	CAMO-09-9472	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	234	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	253	—	—	1.00E+00	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	245	—	—	1.00E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/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	µg/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	µg/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	µg/L	U	U	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.1	—	—	1.00E+01	µg/L	J	J	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2.3	—	—	1.50E+00	µg/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	µg/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.51	—	—	2.50E+00	µg/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	µg/L	—	U	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	31.6	—	—	1.50E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	11.1	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	10.9	—	—	1.00E+00	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	6.8	—	—	1.00E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/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	µg/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.87	—	—	3.00E+00	µg/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	µg/L	U	U	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.4	—	—	3.00E+00	µg/L	J	J	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	8770	—	—	3.00E+01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	11000	—	—	3.00E+01	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	8360	—	—	2.50E+01	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/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	µg/L	U	U	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.75	—	—	5.00E-01	µg/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	µg/L	J	J	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	5.6	—	—	5.00E-01	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2290	—	—	2.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2290	—	—	2.00E+00	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1400	—	—	2.00E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.08	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.4	—	—	1.00E-01	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23	—	—	5.00E-01	µg/L	—	—	09-2803	CAMO-09-9471	GELC
MCO-0.6	5641	1.05	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14	—	—	5.00E-01	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	25	—	—	5.00E-01	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.4	—	—	5.00E-01	µg/L	—	—	09-217	CAMO-09-755	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	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41	—	—	3.20E-02	mg/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	193	—	—	5.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	5.00E+00	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	158	—	—	1.00E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.99	—	—	5.00E-02	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.13	—	—	5.00E-02	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.25	—	—	1.00E+00	µg/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	µg/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	µg/L	J	J	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.2	—	—	1.00E+00	µg/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	µg/L	J	J	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.1	—	—	1.00E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.1	—	—	3.30E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-756	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.1	—	—	3.30E+00	µg/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	µg/L	—	—	09-815	CAMO-09-2412	GELC
MCO-0.6	5641	1.05	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	46.9	—	—	2.00E+00	µg/L	—	—	09-217	CAMO-09-755	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00573	2.33E-03	4.00E-02	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000103	1.47E-03	3.90E-02	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00326	5.03E-03	2.35E-02	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00158	2.83E-03	3.98E-02	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00547	1.27E-03	2.90E-02	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00166	1.10E-03	3.20E-02	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0153	4.00E-03	3.00E-02	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00304	3.32E-03	2.47E-02	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0142	3.33E-03	3.30E-02	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.91	4.67E-01	4.90E+00	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.31	4.67E-01	4.90E+00	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.203	5.73E-01	6.02E+00	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.129	3.67E-01	3.93E+00	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-5.71	5.33E-01	4.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.434	5.33E-01	5.10E+00	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.27	5.67E-01	3.20E+00	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.48	3.43E-01	4.38E+00	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0851	3.70E-01	3.91E+00	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.86	5.33E-01	4.70E+00	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.615	4.00E-01	3.40E+00	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.28	5.77E-01	7.52E+00	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.19	3.12E-01	3.19E+00	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.83	4.67E-01	4.10E+00	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.58	4.33E-01	3.70E+00	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.913	3.67E-01	3.20E+00	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.366	4.20E-01	4.96E+00	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.01	3.80E-01	4.40E+00	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	4.82	4.00E-01	3.00E+00	—	pCi/L	—	—	09-2805	CAMO-09-9472	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	07/10/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	12.9	4.67E-01	4.17E+00	—	pCi/L	—	—	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	14.5	1.02E+00	1.09E+01	—	pCi/L	—	J	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.28	7.33E-01	5.40E+00	—	pCi/L	—	—	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	9.02	2.82E-01	2.42E+00	—	pCi/L	—	—	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	19.7	1.21E+00	1.29E+01	—	pCi/L	—	J	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	29.7	1.20E+01	3.80E+01	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	73.5	1.67E+01	2.50E+02	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	96.1	3.87E+01	2.69E+02	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	79.7	2.68E+01	3.12E+02	—	pCi/L	U	U	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.4	9.67E+00	6.90E+01	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	23.8	3.67E+00	1.90E+01	—	pCi/L	—	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	55	2.43E+01	1.60E+02	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	43.6	1.69E+01	2.35E+02	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	110	3.04E+01	3.45E+02	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.09	3.30E+00	3.10E+01	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.137	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14.2	3.21E+00	3.25E+01	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.56	3.22E+00	2.85E+01	—	pCi/L	U	U	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.1	3.30E+00	3.30E+01	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.6	4.00E+00	3.50E+01	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.12	3.07E+00	2.90E+01	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.431	2.99E+00	2.87E+01	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2	1.62E+00	1.59E+01	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00436	1.47E-03	3.10E-02	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00331	1.10E-03	2.00E-02	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00822	2.42E-03	2.63E-02	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.013	4.57E-03	4.50E-02	—	pCi/L	U	U	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00856	3.67E-03	3.40E-02	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0136	1.27E-02	6.40E-02	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00819	2.50E-03	2.00E-02	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00434	1.77E-03	2.09E-02	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0184	3.11E-03	3.47E-02	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0109	2.20E-03	3.70E-02	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0281	2.30E-03	2.70E-02	—	pCi/L	—	—	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00821	1.59E-03	3.06E-02	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0238	4.40E-03	3.80E-02	—	pCi/L	U	U	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00642	2.13E-03	4.20E-02	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00909	3.67E-03	7.80E-02	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0115	2.27E-03	2.70E-02	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00651	1.26E-03	2.43E-02	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.49E-03	2.93E-02	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	47.7	6.33E+00	5.60E+01	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	18.8	6.67E+00	2.60E+01	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	37.8	5.97E+00	7.79E+01	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	—	41	4.77E+00	3.34E+01	—	pCi/L	—	J	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.4	5.00E+00	4.70E+01	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35.2	6.67E+00	3.70E+01	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.2	5.67E+00	5.80E+01	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.4	7.73E+00	4.28E+01	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	51.4	1.10E+01	3.54E+01	—	pCi/L	UI	R	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.194	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.22	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0559	3.97E-01	4.82E+00	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0833	3.57E-01	4.01E+00	—	pCi/L	U	U	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.67	3.67E-01	3.10E+00	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.98	5.00E-01	4.20E+00	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.79	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0051	3.53E-01	4.18E+00	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.804	3.37E-01	3.95E+00	—	pCi/L	U	U	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	1.59	7.33E-02	3.60E-01	—	pCi/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.451	1.87E-02	1.10E-01	—	pCi/L	—	—	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	1.27	5.67E-02	4.12E-01	—	pCi/L	—	—	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.452	2.68E-02	2.49E-01	—	pCi/L	—	J	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.655	4.33E-02	2.90E-01	—	pCi/L	—	—	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	1.7	7.33E-02	3.20E-01	—	pCi/L	—	—	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.379	3.67E-02	3.00E-01	—	pCi/L	—	—	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	1.46	5.90E-02	3.94E-01	—	pCi/L	—	—	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.381	2.70E-02	2.59E-01	—	pCi/L	—	J	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	44.0634	5.32E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9472	UMTL
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.772	7.60E-01	3.35E+00	—	pCi/L	—	—	08-1660	CAMO-08-14442	ARSL
MCO-0.6	5641	1.05	02/13/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	48.2143	5.32E-01	2.87E-01	—	pCi/L	—	—	08-656	CAMO-08-10646	UMTL
MCO-0.6	5641	1.05	06/19/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	67.6916	7.45E-01	2.87E-01	—	pCi/L	—	—	2357	UU070500GM0601	UMTL
MCO-0.6	5641	1.05	03/07/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	68.6495	7.45E-01	2.87E-01	—	pCi/L	—	—	2317	UU070200GM0601	UMTL
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.319	1.00E-02	6.10E-02	—	pCi/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.721	2.27E-02	1.20E-01	—	pCi/L	—	J-	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.312	9.87E-03	3.68E-02	—	pCi/L	—	—	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.2	2.63E-02	7.22E-02	—	pCi/L	—	—	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.846	3.07E-02	1.90E-01	—	pCi/L	—	J+	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0339	7.00E-03	1.70E-01	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.856	2.63E-02	1.20E-01	—	pCi/L	—	—	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.336	1.22E-02	5.08E-02	—	pCi/L	—	—	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.43	3.00E-02	7.20E-02	—	pCi/L	—	—	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0214	2.30E-03	3.40E-02	—	pCi/L	U	U	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0423	6.00E-03	6.40E-02	—	pCi/L	U	UJ	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0305	2.96E-03	3.10E-02	—	pCi/L	U	U	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0526	4.43E-03	5.43E-02	—	pCi/L	U	U	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0123	4.00E-03	9.30E-02	—	pCi/L	U	U	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00598	3.33E-03	8.90E-02	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0512	7.67E-03	6.40E-02	—	pCi/L	U	U	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00602	4.93E-03	4.29E-02	—	pCi/L	U	U	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0905	5.93E-03	5.42E-02	—	pCi/L	—	J	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.125	5.67E-03	3.10E-02	—	pCi/L	—	—	08-1657	CAMO-08-14443	GELC
MCO-0.6	5641	1.05	05/29/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.91	2.67E-02	7.50E-02	—	pCi/L	—	J-	08-1254	CAMO-08-12723	GELC
MCO-0.6	5641	1.05	07/10/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.278	9.23E-03	3.91E-02	—	pCi/L	—	—	166962	GF060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	1.38	2.93E-02	5.11E-02	—	pCi/L	—	—	146057	GF05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.954	3.33E-02	9.40E-02	—	pCi/L	—	J+	09-2805	CAMO-09-9472	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0581	8.00E-03	8.70E-02	—	pCi/L	U	U	08-1657	CAMO-08-14442	GELC
MCO-0.6	5641	1.05	05/29/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.887	2.80E-02	7.60E-02	—	pCi/L	—	J	08-1254	CAMO-08-12722	GELC
MCO-0.6	5641	1.05	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.439	1.44E-02	5.41E-02	—	pCi/L	—	—	166962	GU060500GM0601	GELC
MCO-0.6	5641	1.05	09/19/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	1.53	3.17E-02	5.10E-02	—	pCi/L	—	—	146057	GU05090GM0601	GELC
MCO-0.6	5641	1.05	08/06/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.31	—	—	3.00E-01	µg/L	J	J	09-2804	CAMO-09-9473	GELC
MCO-0.6	5641	1.05	08/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/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	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-627	CAMO-08-10646	GELC
MCO-0.6	5641	1.05	06/19/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	—	188309	GU070500GM0601	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	113	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	113	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.2	—	—	7.30E-01	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.6	—	—	7.30E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.6	—	—	7.30E-01	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.9	—	—	3.00E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	8.28	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	6.82	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	05/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	3.00E-02	mg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.9	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.6	—	—	3.00E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.24	—	—	3.00E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.14	—	—	3.00E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	3.00E-02	mg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	17.7	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	17.7	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	442	—	—	3.30E+00	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	76.7	—	—	6.60E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	123	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.558	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.56	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.282	—	—	3.30E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.424	—	—	3.30E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.562	—	—	3.30E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	41.6	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.6	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	28.3	—	—	3.50E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	24.6	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	44.8	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.4	—	—	3.50E-01	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.3	—	—	3.50E-01	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.5	—	—	3.50E-01	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80	—	—	3.50E-01	mg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	2.48	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.97	—	—	8.50E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.86	—	—	8.50E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.83	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.65	—	—	8.50E-02	mg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.02	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.11	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.34	—	—	8.50E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.98	—	—	8.50E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.78	—	—	8.50E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.83	—	—	8.50E-02	mg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	17.1	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	40	—	—	5.00E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.4	—	—	5.00E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	21.9	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.7	—	—	5.00E-02	mg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	17.7	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9494	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	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	27.2	—	—	5.00E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	35.3	—	—	5.00E-02	mg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	38.9	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9495	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	202	—	—	4.50E-02	mg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	38.1	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	38.2	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	282	—	—	4.50E-02	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	79.6	—	—	4.50E-02	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	116	—	—	4.50E-02	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	194	—	—	4.50E-02	mg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	285	—	—	1.00E+00	µS/cm	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	283	—	—	1.00E+00	µS/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	µS/cm	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	533	—	—	1.00E+00	µS/cm	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	688	—	—	1.00E+00	µS/cm	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.2	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.18	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.2	—	—	1.00E-01	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	34.2	—	—	1.00E-01	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	21.1	—	—	1.00E-01	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	207	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	205	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	927	—	—	2.40E+00	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	346	—	—	2.40E+00	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	540	—	—	2.40E+00	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.313	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.293	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.629	—	—	2.90E-02	mg/L	—	J-	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.874	—	—	2.90E-02	mg/L	—	J+	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.14	—	—	2.90E-02	mg/L	—	J-	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	7.23	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.16	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.53	—	—	3.30E-01	mg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	15.2	—	—	1.70E+00	mg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	16.5	—	—	6.60E-01	mg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.25	—	—	3.30E-01	mg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	6.67	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.64	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.15	—	—	1.00E-02	SU	H	J-	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.39	—	—	1.00E-02	SU	H	J-	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.75	—	—	1.00E-02	SU	H	J-	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Aluminum	—	179	—	—	6.80E+01	µg/L	J	J	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	213	—	—	6.80E+01	µg/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	µg/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	µg/L	N	J+	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	6440	—	—	6.80E+01	µg/L	N	J+	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	868	—	—	6.80E+01	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	4940	—	—	6.80E+01	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	5080	—	—	6.80E+01	µg/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	µg/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	µg/L	N	J+	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	33000	—	—	6.80E+01	µg/L	N	J+	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	59700	—	—	6.80E+01	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	8.08	—	—	1.50E+00	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	8.33	—	—	1.50E+00	µg/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	µg/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	µg/L	U	U	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.8	—	—	1.50E+00	µg/L	J	J	08-1672	CAMO-08-14459	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	05/28/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.7	—	—	1.50E+00	µg/L	J	J	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	8.74	—	—	1.50E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	8.69	—	—	1.50E+00	µg/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	µg/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	µg/L	J	J	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	9.7	—	—	1.50E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	21.4	—	—	1.50E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	73.8	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	74.7	—	—	1.00E+00	µg/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	µg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	98.8	—	—	1.00E+00	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	90.9	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	144	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	90	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	89.1	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	188	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	846	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	µg/L	J	J	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	µg/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	µg/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	µg/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41.1	—	—	1.00E+01	µg/L	J	J	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.00E+01	µg/L	J	J	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	µg/L	J	J	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.4	—	—	1.50E+01	µg/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	µg/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	µg/L	J	J	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.3	—	—	1.00E+01	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.2	—	—	1.00E+01	µg/L	J	J	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	12.7	—	—	2.50E+00	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.1	—	—	2.50E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	44.2	—	—	1.50E+00	µg/L	—	J	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	33.8	—	—	2.50E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	35.1	—	—	2.50E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	117	—	—	1.50E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	275	—	—	1.30E+01	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Cobalt	—	1.59	—	—	1.00E+00	µg/L	J	J	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.53	—	—	1.00E+00	µg/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	µg/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	µg/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	4.8	—	—	1.00E+00	µg/L	J	J	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.7	—	—	1.00E+00	µg/L	J	J	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Cobalt	—	1.53	—	—	1.00E+00	µg/L	J	J	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.6	—	—	1.00E+00	µg/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	µg/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	µg/L	J	J	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	4.5	—	—	1.00E+00	µg/L	J	J	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	10.9	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.7	—	—	3.00E+00	µg/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	µg/L	U	U	09-217	CAMO-09-761	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	12.8	—	—	3.00E+00	µg/L	—	U	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	7.45	—	—	3.00E+00	µg/L	J	J	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.22	—	—	3.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	40.7	—	—	3.00E+00	µg/L	—	J	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	55.1	—	—	3.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	1130	—	—	3.00E+01	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1130	—	—	3.00E+01	µg/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	µg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	1230	—	—	2.50E+01	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	3680	—	—	2.50E+01	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2780	—	—	2.50E+01	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	3820	—	—	3.00E+01	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3900	—	—	3.00E+01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	19300	—	—	2.50E+01	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45500	—	—	2.50E+01	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.6	—	—	5.00E-01	µg/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	µg/L	J	J	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	4.3	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.63	—	—	5.00E-01	µg/L	J	J	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	3.15	—	—	5.00E-01	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.24	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	18.5	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	38.6	—	—	5.00E-01	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	506	—	—	2.00E+00	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	506	—	—	2.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	224	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	530	—	—	2.00E+00	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	509	—	—	2.00E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	508	—	—	2.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	359	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	929	—	—	2.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	164	—	—	1.00E-01	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	163	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	333	—	—	1.00E-01	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	118	—	—	1.00E-01	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	162	—	—	1.00E-01	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	155	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	350	—	—	1.00E-01	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	187	—	—	1.00E-01	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	3.22	—	—	5.00E-01	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.88	—	—	5.00E-01	µg/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	µg/L	—	—	09-855	CAMO-09-2509	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-846:6020	Nickel	—	3.9	—	—	5.00E-01	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.6	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.8	—	—	5.00E-01	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	3.62	—	—	5.00E-01	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.7	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	15.1	—	—	5.00E-01	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.4	—	—	2.50E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	67.9	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.7	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.1	—	—	3.20E-02	mg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	52.5	—	—	3.20E-02	mg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80	—	—	3.20E-02	mg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	69.9	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.3	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	39.7	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.3	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	70	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.3	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.605	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.596	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9493	GELC
MCO-2	4551	2	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.28	—	—	5.00E-02	µg/L	—	—	09-855	CAMO-09-2509	GELC
MCO-2	4551	2	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.838	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.839	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9492	GELC
MCO-2	4551	2	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.43	—	—	5.00E-02	µg/L	—	—	09-855	CAMO-09-2508	GELC
MCO-2	4551	2	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.1	—	—	5.00E-02	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	5.2	—	—	5.00E-02	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	4.39	—	—	1.00E+00	µg/L	J	J	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.29	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.4	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	8.12	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.33	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	41.5	—	—	1.00E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	78.5	—	—	1.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	23.6	—	—	3.30E+00	µg/L	—	—	09-2857	CAMO-09-9495	GELC
MCO-2	4551	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	19.8	—	—	3.30E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-761	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	239	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14459	GELC
MCO-2	4551	2	05/28/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.6	—	—	2.00E+00	µg/L	J	J	08-1249	CAMO-08-12714	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	25.2	—	—	3.30E+00	µg/L	—	—	09-2857	CAMO-09-9494	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.2	—	—	3.30E+00	µg/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	µg/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	µg/L	—	—	09-217	CAMO-09-762	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	197	—	—	2.00E+00	µg/L	—	—	08-1672	CAMO-08-14460	GELC
MCO-2	4551	2	05/28/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	145	—	—	2.00E+00	µg/L	—	—	08-1249	CAMO-08-12715	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000597	1.87E-03	2.80E-02	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00105	1.60E-03	3.50E-02	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00488	3.13E-03	3.50E-02	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00481	1.53E-03	3.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0147	5.67E-03	4.70E-02	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00465	1.23E-03	4.30E-02	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0256	2.49E-03	2.07E-02	—	pCi/L	—	J	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.00738	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.09	4.33E-01	4.30E+00	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	1.73	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.137	4.67E-01	4.50E+00	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.445	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.26	4.33E-01	4.70E+00	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0261	3.93E-01	4.27E+00	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0757	3.67E-01	3.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.395	4.67E-01	4.90E+00	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.00261	3.67E-01	3.60E+00	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.74	4.67E-01	5.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.207	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0855	4.33E-01	4.30E+00	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.662	4.40E-01	5.13E+00	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	0.94	2.80E-01	2.70E+00	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	3.58	4.00E-01	2.50E+00	—	pCi/L	—	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	18.6	7.67E-01	3.00E+00	—	pCi/L	—	—	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	15.6	6.33E-01	1.90E+00	—	pCi/L	—	—	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	33.2	7.23E-01	5.43E+00	—	pCi/L	—	—	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	16.4	6.67E+00	5.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	99.3	2.80E+01	2.70E+02	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	29.5	7.67E+00	5.20E+01	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.9	6.00E+00	4.10E+01	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.5	7.67E+00	3.90E+01	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	103	3.67E+01	3.00E+02	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	91.3	3.04E+01	3.08E+02	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.4	3.33E+00	3.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.1	3.67E+00	3.00E+01	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-6.72	2.57E+00	2.40E+01	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.49	3.33E+00	3.40E+01	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.1	3.33E+00	3.30E+01	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.32	3.67E+00	3.50E+01	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14.8	3.20E+00	2.91E+01	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00204	4.00E-03	2.90E-02	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00582	1.13E-03	3.60E-02	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00879	6.00E-03	4.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00231	1.10E-03	3.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00432	6.00E-03	3.00E-02	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	1.63E-10	1.30E-03	5.00E-02	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00816	1.81E-03	1.57E-02	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00816	3.33E-03	3.50E-02	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00194	9.00E-04	4.20E-02	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.0176	4.00E-03	5.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00923	3.27E-03	4.50E-02	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0993	5.67E-03	3.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14460	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0109	2.90E-03	5.90E-02	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.233	7.50E-03	1.83E-02	—	pCi/L	—	—	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	36.1	7.00E+00	7.40E+01	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	52.2	9.00E+00	3.40E+01	—	pCi/L	UI	R	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	19.3	5.33E+00	6.00E+01	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.51	7.00E+00	6.80E+01	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	56.1	6.00E+00	3.70E+01	—	pCi/L	UI	R	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	92.8	7.00E+00	3.90E+01	—	pCi/L	UI	R	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.35	5.90E+00	4.14E+01	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.72	5.00E-01	5.40E+00	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.805	4.67E-01	4.30E+00	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-1.34	3.67E-01	3.10E+00	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.35	4.33E-01	5.10E+00	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.183	4.67E-01	4.70E+00	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.536	5.00E-01	4.90E+00	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.59	4.00E-01	3.99E+00	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00546	4.33E-02	4.80E-01	—	pCi/L	U	U	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	2.12	8.33E-02	3.50E-01	—	pCi/L	—	—	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.381	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.256	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.205	5.00E-02	4.80E-01	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	2.4	9.00E-02	2.60E-01	—	pCi/L	—	—	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.1	2.42E-02	3.11E-01	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Thorium-228	—	0.139	6.67E-03	9.20E-02	—	pCi/L	—	—	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	—	0.115	5.67E-03	8.70E-02	—	pCi/L	—	—	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Thorium-230	<	0.0895	5.00E-03	1.00E-01	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	—	0.107	5.67E-03	9.40E-02	—	pCi/L	—	—	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Thorium-232	—	0.149	6.67E-03	3.30E-02	—	pCi/L	—	—	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.136	6.00E-03	3.10E-02	—	pCi/L	—	—	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	<	-29.7	1.50E+01	1.60E+02	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	60.2	1.50E+01	1.50E+02	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	51.7	1.67E+01	1.70E+02	—	pCi/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	<	62.5	1.53E+01	1.50E+02	—	pCi/L	U	U	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	06/14/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	32.5686	3.19E-01	2.87E-01	—	pCi/L	—	—	2354	UU070500G2CM01	UMTL
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	LLEE	Tritium	—	80.1443	8.51E-01	2.87E-01	—	pCi/L	—	—	2229	UU060500G2CM01	UMTL
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.444	1.30E-02	6.80E-02	—	pCi/L	—	—	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.119	5.67E-03	6.40E-02	—	pCi/L	—	—	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.355	1.43E-02	1.10E-01	—	pCi/L	—	—	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.291	1.27E-02	1.20E-01	—	pCi/L	—	—	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.09	2.70E-02	7.80E-02	—	pCi/L	—	—	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.212	8.00E-03	6.60E-02	—	pCi/L	—	—	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.48	4.03E-02	8.04E-02	—	pCi/L	—	—	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0559	4.00E-03	3.60E-02	—	pCi/L	—	—	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.02	2.50E-03	3.20E-02	—	pCi/L	U	U	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0148	2.50E-03	5.60E-02	—	pCi/L	U	U	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0188	3.33E-03	5.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.101	6.33E-03	4.20E-02	—	pCi/L	—	—	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0342	3.00E-03	3.30E-02	—	pCi/L	—	—	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00952	9.27E-03	6.78E-02	—	pCi/L	U	U	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.407	1.23E-02	3.50E-02	—	pCi/L	—	—	08-1671	CAMO-08-14459	GELC
MCO-2	4551	2	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0576	4.33E-03	3.80E-02	—	pCi/L	—	—	08-599	CAMO-08-10492	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.311	1.27E-02	5.60E-02	—	pCi/L	—	—	09-2858	CAMO-09-9494	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.294	1.23E-02	5.70E-02	—	pCi/L	—	—	09-2858	CAMO-09-9492	GELC
MCO-2	4551	2	08/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	1.16	2.83E-02	4.10E-02	—	pCi/L	—	—	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.227	8.00E-03	3.90E-02	—	pCi/L	—	—	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	07/10/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	1.49	4.07E-02	8.55E-02	—	pCi/L	—	—	166962	GU060500G2CM01	GELC
MCO-2	4551	2	08/12/09	WG	UF	CS	—	Voa	SW-846:8260B	Isobutyl alcohol	—	24.9	—	—	1.30E+01	µg/L	J	J	09-2856	CAMO-09-9492	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/13/08	WG	UF	CS	—	Voa	SW-846:8260B	Isobutyl alcohol	<	50	—	—	1.30E+01	µg/L	U	U	08-1671	CAMO-08-14460	GELC
MCO-2	4551	2	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Isobutyl alcohol	<	50	—	—	1.30E+01	µg/L	U	R	08-599	CAMO-08-10494	GELC
MCO-2	4551	2	06/14/07	WG	UF	CS	—	Voa	SW-846:8260B	Isobutyl alcohol	<	50	—	—	1.25E+01	µg/L	U	UJ	188029	GU070500G2CM01	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.2	—	—	7.30E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.1	—	—	7.30E-01	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	109	—	—	7.30E-01	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.1	—	—	5.50E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Calcium	—	33.9	—	—	5.50E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.54E-03	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.9	—	—	3.75E-02	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.2	—	—	3.75E-02	mg/L	—	—	46853	GF01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.3	—	—	5.50E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Calcium	—	34.6	—	—	5.50E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.54E-03	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.4	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	144	—	—	1.30E+00	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	27.1	—	—	1.30E-01	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.469	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	3.30E-02	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	3.30E-02	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.348	—	—	3.30E-02	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	96.5	—	—	5.54E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	59.1	—	—	5.54E-03	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	72.4	—	—	1.12E-01	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	F	CS	—	Geninorg	EPA:200.7	Hardness	—	125	—	—	1.12E-01	mg/L	—	—	46853	GF01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	EPA:200.7	Hardness	—	97	—	—	5.54E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.89	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.72	—	—	5.20E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	2.7	—	—	5.20E-03	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.61	—	—	5.18E-03	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.88	—	—	4.49E-03	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.96	—	—	4.49E-03	mg/L	—	—	46853	GF01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.13	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.75	—	—	5.20E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	2.8	—	—	5.20E-03	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Magnesium	—	1.71	—	—	5.18E-03	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.51	—	—	1.00E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.62	—	—	1.00E-01	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.76	—	—	1.00E-01	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.421	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.794	—	—	5.00E-02	µg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.14	—	—	2.00E-01	µg/L	—	J	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.971	—	—	1.00E-01	µg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.06	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.94	—	—	1.65E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Potassium	—	6.84	—	—	1.65E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.78	—	—	1.65E-02	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.65	—	—	7.07E-03	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.17	—	—	7.07E-03	mg/L	—	—	46853	GF01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.36	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9487	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.98	—	—	1.65E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Potassium	—	6.97	—	—	1.65E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Potassium	—	5.83	—	—	1.65E-02	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	62.9	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.7	—	—	1.44E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Geninorg	SW-846:6010B	Sodium	—	59.9	—	—	1.44E-02	mg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.2	—	—	1.44E-02	mg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	89.5	—	—	8.13E-03	mg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	68.9	—	—	8.13E-03	mg/L	—	—	46853	GF01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57.2	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	61.1	—	—	1.44E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Geninorg	SW-846:6010B	Sodium	—	61.2	—	—	1.44E-02	mg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Geninorg	SW-846:6010B	Sodium	—	68.1	—	—	1.44E-02	mg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	361	—	—	1.00E+00	µS/cm	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	648	—	—	1.00E+00	µS/cm	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	738	—	—	1.00E+00	µS/cm	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	377	—	—	1.00E+00	µS/cm	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.75	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.3	—	—	1.00E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16.3	—	—	1.00E-01	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.2	—	—	1.00E-01	mg/L	—	J-	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	387	—	—	2.40E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	404	—	—	2.40E+00	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	256	—	—	2.40E+00	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.9	—	—	3.30E-02	mg/L	—	J-	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	04/30/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.157	—	—	3.30E-02	mg/L	—	U	09-1676	CAMO-09-8408	GELC
MCO-3	4561	2	02/11/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.534	—	—	2.90E-02	mg/L	—	J	09-883	CAMO-09-4069	GELC
MCO-3	4561	2	11/06/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	3.65	—	—	2.90E-02	mg/L	—	J-	09-230	CAMO-09-913	GELC
MCO-3	4561	2	08/15/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.128	—	—	2.90E-02	mg/L	—	J-	08-1696	CAMO-08-14868	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.12	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	04/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.12	—	—	3.30E-01	mg/L	—	—	09-1676	CAMO-09-8408	GELC
MCO-3	4561	2	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.95	—	—	3.30E-01	mg/L	—	—	09-883	CAMO-09-4069	GELC
MCO-3	4561	2	11/06/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.85	—	—	1.70E+00	mg/L	—	—	09-230	CAMO-09-913	GELC
MCO-3	4561	2	08/15/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.07	—	—	3.30E-01	mg/L	—	—	08-1696	CAMO-08-14868	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.45	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.43	—	—	1.00E-02	SU	H	J-	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J-	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	1.00E-02	SU	H	J-	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	931	—	—	6.80E+01	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	283	—	—	1.47E+01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Aluminum	—	280	—	—	1.47E+01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	951	—	—	1.47E+01	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	823	—	—	3.43E+01	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	12500	—	—	6.80E+01	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	519	—	—	1.47E+01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Aluminum	—	524	—	—	1.47E+01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1530	—	—	1.47E+01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Aluminum	—	1870	—	—	1.47E+01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1570	—	—	3.43E+01	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.864	—	—	5.00E-01	µg/L	J	J	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.641	—	—	2.80E-01	µg/L	B	U	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6020	Antimony	—	0.621	—	—	2.80E-01	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.814	—	—	2.80E-01	µg/L	B	U	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.59	—	—	1.11E-01	µg/L	B	U	59743	GF02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	F	DUP	—	Metals	SW-846:6020	Antimony	—	0.59	—	—	1.11E-01	µg/L	B	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.811	—	—	5.00E-01	µg/L	J	J	09-2857	CAMO-09-9487	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.655	—	—	2.80E-01	µg/L	B	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6020	Antimony	—	0.619	—	—	2.80E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.822	—	—	2.80E-01	µg/L	B	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6020	Antimony	—	0.787	—	—	2.80E-01	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.64	—	—	1.11E-01	µg/L	B	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.4	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30	—	—	2.20E-01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	2.20E-01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.8	—	—	2.22E-01	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22	—	—	2.06E-01	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	2.20E-01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Barium	—	30.7	—	—	2.20E-01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.7	—	—	2.22E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	2.22E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.9	—	—	2.06E-01	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57	—	—	1.50E+01	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57.7	—	—	4.90E+00	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Boron	—	56.4	—	—	4.90E+00	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	79.7	—	—	4.88E+00	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	76.8	—	—	2.95E+00	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	61.6	—	—	1.50E+01	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	60.8	—	—	4.90E+00	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Boron	—	55.7	—	—	4.90E+00	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	71	—	—	4.88E+00	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Boron	—	71.5	—	—	4.88E+00	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.7	—	—	2.95E+00	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	0.04	—	—	4.00E-02	µg/L	U	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6020	Cadmium	<	0.04	—	—	4.00E-02	µg/L	U	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	0.04	—	—	4.00E-02	µg/L	U	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	0.05	—	—	5.00E-02	µg/L	U	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	F	DUP	—	Metals	SW-846:6020	Cadmium	<	0.05	—	—	5.00E-02	µg/L	U	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.167	—	—	1.10E-01	µg/L	J	J	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.053	—	—	4.00E-02	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6020	Cadmium	—	0.047	—	—	4.00E-02	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.598	—	—	4.00E-02	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6020	Cadmium	—	0.6	—	—	4.00E-02	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	0.05	—	—	5.00E-02	µg/L	U	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	2.72	—	—	5.00E-01	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Chromium	—	3.26	—	—	5.00E-01	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Chromium	<	4.63	—	—	5.03E-01	µg/L	B	U	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Chromium	—	3.98	—	—	7.81E-01	µg/L	B	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.6	—	—	2.50E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	3.27	—	—	5.00E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Chromium	—	2.43	—	—	5.00E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	<	5.35	—	—	5.03E-01	µg/L	—	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Chromium	—	6.1	—	—	5.03E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Chromium	—	4.77	—	—	7.81E-01	µg/L	B	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	10.5	—	—	3.00E+00	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.27	—	—	1.40E+00	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Copper	—	7.63	—	—	1.40E+00	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.18	—	—	1.39E+00	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	25.1	—	—	2.67E+00	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	16.4	—	—	3.00E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.54	—	—	1.40E+00	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Copper	—	7.95	—	—	1.40E+00	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.74	—	—	1.39E+00	µg/L	—	—	83839	GU03060G3CM02	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Copper	—	10.2	—	—	1.39E+00	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	26	—	—	2.67E+00	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	498	—	—	3.00E+01	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	156	—	—	1.26E+01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Iron	—	158	—	—	1.26E+01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	499	—	—	1.26E+01	µg/L	*	J	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	398	—	—	2.06E+01	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	7030	—	—	3.00E+01	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	294	—	—	1.26E+01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Iron	—	302	—	—	1.26E+01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	815	—	—	1.26E+01	µg/L	*	J	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Iron	—	1020	—	—	1.26E+01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	766	—	—	2.06E+01	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.114	—	—	5.00E-02	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6020	Lead	—	0.1	—	—	5.00E-02	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.152	—	—	5.00E-02	µg/L	B	JN-	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6020	Lead	<	0.33	—	—	7.70E-02	µg/L	B	U	59743	GF02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	F	DUP	—	Metals	SW-846:6020	Lead	—	0.34	—	—	7.70E-02	µg/L	B	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.5	—	—	5.00E-01	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.175	—	—	5.00E-02	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6020	Lead	—	0.171	—	—	5.00E-02	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.584	—	—	5.00E-02	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6020	Lead	—	0.569	—	—	5.00E-02	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	0.49	—	—	7.70E-02	µg/L	B	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	µg/L	J	J	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1.07	—	—	3.00E-01	µg/L	B	JN-	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Manganese	—	0.921	—	—	3.00E-01	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	3.37	—	—	2.96E-01	µg/L	B	U	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2.94	—	—	2.94E+00	µg/L	U	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	34.3	—	—	2.00E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.02	—	—	3.00E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Manganese	—	1.96	—	—	3.00E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.19	—	—	2.96E-01	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Manganese	—	6.94	—	—	2.96E-01	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.33	—	—	2.94E+00	µg/L	B	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	31.2	—	—	1.00E-01	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	23.9	—	—	1.40E+00	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Molybdenum	—	22.9	—	—	1.40E+00	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	51	—	—	1.43E+00	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	77	—	—	5.94E-01	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	32.4	—	—	1.00E-01	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	25.3	—	—	1.40E+00	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Molybdenum	—	24.7	—	—	1.40E+00	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	50.5	—	—	1.43E+00	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Molybdenum	—	50.8	—	—	1.43E+00	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	74.5	—	—	5.94E-01	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.76	—	—	5.00E-01	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Nickel	<	2.04	—	—	6.90E-01	µg/L	B	U	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Nickel	—	2.14	—	—	6.90E-01	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Nickel	—	1.26	—	—	6.90E-01	µg/L	B	JN-	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Nickel	<	6.72	—	—	7.43E-01	µg/L	—	U	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.13	—	—	5.00E-01	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	<	3.48	—	—	6.90E-01	µg/L	B	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Nickel	—	2.89	—	—	6.90E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	—	2.7	—	—	6.90E-01	µg/L	B	JN-	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Nickel	—	2.51	—	—	6.90E-01	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Nickel	<	6.77	—	—	7.43E-01	µg/L	—	U	59743	GU02051G3CM	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.1	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	29.8	—	—	3.20E-02	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	27.8	—	—	3.20E-02	mg/L	—	—	09-884	CAMO-09-4070	GELC
MCO-3	4561	2	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41	—	—	3.20E-02	mg/L	—	—	09-230	CAMO-09-912	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.5	—	—	1.80E-01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Strontium	—	77.8	—	—	1.80E-01	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.78E-01	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.1	—	—	1.68E-01	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.4	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.80E-01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Strontium	—	79.7	—	—	1.80E-01	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.9	—	—	1.78E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Strontium	—	48	—	—	1.78E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.5	—	—	1.68E-01	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.546	—	—	2.00E-02	µg/L	—	U	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6020	Thallium	—	0.263	—	—	2.00E-02	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.394	—	—	2.00E-02	µg/L	B	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.22	—	—	1.40E-02	µg/L	B	U	59743	GF02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	F	DUP	—	Metals	SW-846:6020	Thallium	—	0.2	—	—	1.40E-02	µg/L	B	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.338	—	—	3.00E-01	µg/L	J	J	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.258	—	—	2.00E-02	µg/L	B	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6020	Thallium	—	0.209	—	—	2.00E-02	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.212	—	—	2.00E-02	µg/L	B	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6020	Thallium	—	0.189	—	—	2.00E-02	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.28	—	—	1.40E-02	µg/L	B	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.149	—	—	5.00E-02	µg/L	J	J	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	2.00E-02	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6020	Uranium	—	0.661	—	—	2.00E-02	µg/L	—	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.691	—	—	2.00E-02	µg/L	—	—	83839	GF03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.655	—	—	2.00E-02	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	2.00E-02	µg/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.716	—	—	2.00E-02	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6020	Uranium	—	0.701	—	—	2.00E-02	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.64	—	—	1.00E+00	µg/L	J	J	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.36	—	—	6.10E-01	µg/L	B	JN-	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Vanadium	—	0.659	—	—	6.10E-01	µg/L	B	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.06	—	—	6.06E-01	µg/L	B	U	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.41	—	—	1.09E+00	µg/L	B	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.71	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	0.61	—	—	6.10E-01	µg/L	U	UJ	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Vanadium	—	1.12	—	—	6.10E-01	µg/L	B	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.87	—	—	6.06E-01	µg/L	B	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Vanadium	—	4.5	—	—	6.06E-01	µg/L	B	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.01	—	—	1.09E+00	µg/L	B	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/12/04	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.64	—	—	8.80E-01	µg/L	B	JN-	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	F	DUP	—	Metals	SW-846:6010B	Zinc	<	0.88	—	—	8.80E-01	µg/L	U	—	116828	GF04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.88	—	—	8.83E-01	µg/L	B	U	83839	GF03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.27	—	—	2.81E+00	µg/L	—	—	59743	GF02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.8	—	—	3.30E+00	µg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	0.88	—	—	8.80E-01	µg/L	U	R	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	DUP	—	Metals	SW-846:6010B	Zinc	<	0.88	—	—	8.80E-01	µg/L	U	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.1	—	—	8.83E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Metals	SW-846:6010B	Zinc	—	14.3	—	—	8.83E-01	µg/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.07	—	—	2.81E+00	µg/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	3.81	8.33E-02	3.70E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	0.562	1.42E-02	3.50E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	3.15	2.78E+00	2.59E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-9.92	2.27E+00	1.96E+01	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	1.65	3.26E-02	3.00E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Americium-241	—	1.59	3.13E-02	2.90E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	3.98	8.00E-02	3.34E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	0.0629	6.77E-01	6.49E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Americium-241	—	3.71	7.37E-02	2.48E+00	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-40.3	2.45E+00	1.80E+01	—	pCi/L	U	R	46853	GU01091G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	—	0.927	2.35E-02	1.69E-02	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	43.1	1.07E+00	4.70E+00	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.21	5.43E-01	3.25E+00	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	8.08	8.03E-01	3.43E+00	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.8	2.03E-01	1.40E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.81	1.09E+00	4.92E+00	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.53	4.33E-01	4.70E+00	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.462	3.20E-01	3.51E+00	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.119	3.15E-01	3.56E+00	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.698	1.22E-01	1.49E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.376	3.87E-01	4.91E+00	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	13.8	8.67E-01	2.70E+00	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	76.2	2.33E+00	2.00E+00	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	89.8	8.53E-01	2.24E+00	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	45.2	7.83E-01	4.40E+00	—	pCi/L	—	J	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	EPA:900	Gross beta	—	67.5	7.57E-01	2.76E+00	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	107	9.23E-01	2.39E+00	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	161	8.03E-01	1.88E+00	—	pCi/L	—	J	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	87.1	2.07E+01	1.10E+02	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.3	2.02E+01	2.40E+02	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	168	2.89E+01	3.49E+02	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	124	3.17E-01	1.66E+02	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.31	4.00E+00	3.80E+01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	2.68E+00	2.71E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.26	2.62E+00	2.63E+01	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0	1.46E+00	8.22E+00	—	pCi/L	U	R	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.79	3.63E+00	3.20E+01	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	4.02	7.67E-02	3.80E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	0.553	1.40E-02	3.20E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	2.19	4.23E-02	4.10E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-238	—	1.9	3.73E-02	3.90E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	2.16	4.17E-02	2.69E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-238	—	2.15	3.97E-02	3.30E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	—	0.315	1.29E-02	1.00E-02	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	4.38	8.33E-02	4.70E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	0.416	1.15E-02	3.30E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	1.78	3.53E-02	4.40E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-239/240	—	1.47	3.02E-02	4.30E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	1.31	2.77E-02	2.97E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Plutonium-239/240	—	1.21	2.49E-02	3.30E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	—	0.122	7.47E-03	1.00E-02	—	pCi/L	—	J	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.4	9.33E+00	4.00E+01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.5	3.80E+00	4.50E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	41.1	5.40E+00	2.49E+01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0	2.86E+00	1.37E+01	—	pCi/L	U	R	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.6	5.03E+00	5.77E+01	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.166	3.67E-02	3.40E-01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	5.22	1.74E+00	4.97E+00	—	pCi/L	UI	R	116828	GU04070G3CM01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.116	3.53E-02	3.67E-01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.521	5.10E-02	3.87E-01	—	pCi/L	—	JN+	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	10.7	1.09E+00	6.23E+00	—	pCi/L	—	JN+	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	EPA:903.1	Radium-226	—	0.419	4.63E-02	3.69E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	39.2	9.90E-01	2.28E+00	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	4.01	8.27E-01	9.10E+00	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.53	1.23E-01	8.10E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	4.16	1.25E+00	1.41E+01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	1.12	1.76E+00	1.42E+01	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	0.821	4.43E-01	4.85E+00	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	8.85	1.59E+00	1.85E+01	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.2	4.33E-01	4.00E+00	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	2.65E-01	4.47E+00	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.62	3.83E-01	4.86E+00	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0	2.41E-01	1.42E+00	—	pCi/L	U	R	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	—	24.6	1.29E+00	4.54E+00	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	13.5	4.00E-01	3.30E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	35.8	1.80E+00	2.84E-01	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	20.6	8.23E-01	1.04E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	GFPC	Strontium-90	—	21.7	9.40E-01	2.20E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	26.1	1.21E+00	1.91E-01	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	GFPC	Strontium-90	—	39.3	1.72E+00	1.76E-01	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	39.3	1.72E+00	1.76E-01	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	—	0.223	1.00E-02	1.20E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0286	2.84E-03	7.10E-02	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0671	6.37E-03	9.60E-02	—	pCi/L	—	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-228	<	0.0469	7.67E-03	1.04E-01	—	pCi/L	U	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.112	6.67E-03	1.30E-01	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0714	4.13E-03	1.33E-01	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.13	7.30E-03	1.51E-01	—	pCi/L	—	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-230	—	0.226	9.93E-03	1.63E-01	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.238	1.00E-02	4.40E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0173	1.86E-03	3.30E-02	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	—	0.0559	4.03E-03	4.40E-02	—	pCi/L	—	J	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-232	—	0.083	5.23E-03	4.70E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	2060	7.33E+01	1.50E+02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	5400	4.00E+01	1.34E+02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	4330	3.83E+01	1.49E+02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	EPA:906.0	Tritium	—	4470	3.87E+01	1.47E+02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3070	3.53E+01	1.47E+02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	EPA:906.0	Tritium	—	3230	3.70E+01	1.54E+02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	4790	4.47E+01	1.68E+02	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.214	1.00E-02	1.10E-01	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.612	1.88E-02	1.10E-01	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.515	1.70E-02	9.10E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-234	—	0.701	2.17E-02	9.70E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	1.25	3.43E-02	3.48E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-234	—	1.23	3.23E-02	2.09E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.908	2.97E-02	1.03E-02	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0107	2.67E-03	5.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9487	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	—	0.174	9.37E-03	6.70E-02	—	pCi/L	—	J	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.0249	4.47E-03	3.80E-02	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-235/236	—	0.0322	4.10E-03	4.10E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	—	0.052	4.13E-03	1.82E-02	—	pCi/L	—	J	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-235/236	—	0.0546	4.10E-03	2.34E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	—	0.0825	6.57E-03	3.55E-02	—	pCi/L	—	J	46853	GU01091G3CM	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.147	8.00E-03	5.50E-02	—	pCi/L	—	—	09-2858	CAMO-09-9487	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.272	1.15E-02	7.80E-02	—	pCi/L	—	—	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/12/04	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	58.5	2.21E+01	2.07E+02	—	pCi/L	U	U	116828	GU04070G3CM01	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.204	9.30E-03	4.50E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	79.8	2.43E+01	1.65E+02	—	pCi/L	U	U	83839	GU03060G3CM02	GELC
MCO-3	4561	2	07/08/03	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-238	—	0.213	9.60E-03	4.80E-02	—	pCi/L	—	—	83839	GU03060G3CM02	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	22.8	5.83E+00	5.65E+01	—	pCi/L	U	U	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.417	1.45E-02	2.97E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	05/01/02	WG	UF	DUP	—	Rad	Alpha Spec	Uranium-238	—	0.455	1.44E-02	2.34E-02	—	pCi/L	—	—	59743	GU02051G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	148	1.97E+01	1.78E+02	—	pCi/L	U	U	46853	GU01091G3CM	GELC
MCO-3	4561	2	07/31/01	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.333	1.45E-02	2.81E-02	—	pCi/L	—	—	46853	GU01091G3CM	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	126	—	—	7.30E-01	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	109	—	—	7.30E-01	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	08-1704	CAMO-08-14472	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	05/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.12	—	—	1.60E-02	mg/L	—	J-	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	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-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.3	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.2	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.5	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	39.9	—	—	3.00E-02	mg/L	—	—	08-1704	CAMO-08-14472	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	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	39.6	—	—	3.00E-02	mg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.4	—	—	6.60E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51	—	—	1.30E+00	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.6	—	—	3.30E-01	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64.7	—	—	6.60E-01	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	92	—	—	6.60E-01	mg/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.717	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.759	—	—	3.30E-02	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.682	—	—	3.30E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.749	—	—	3.30E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.629	—	—	3.30E-02	mg/L	—	—	08-1704	CAMO-08-14472	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	08/18/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	112	—	—	3.50E-01	mg/L	—	—	08-1704	CAMO-08-14471	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	08/18/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	112	—	—	3.50E-01	mg/L	—	—	08-1704	CAMO-08-14471	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	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.11	—	—	8.50E-02	mg/L	—	—	08-1704	CAMO-08-14472	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	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.08	—	—	8.50E-02	mg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.51	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.88	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.49	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.985	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.82	—	—	5.00E-02	mg/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.23	—	—	1.30E+00	µg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.71	—	—	5.00E-01	µg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.68	—	—	5.00E-01	µg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.6	—	—	1.00E+00	µg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.97	—	—	5.00E-01	µg/L	—	—	08-1704	CAMO-08-14472	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	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.5	—	—	5.00E-02	mg/L	—	—	08-1704	CAMO-08-14472	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	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.4	—	—	5.00E-02	mg/L	—	—	08-1704	CAMO-08-14471	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	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	57.4	—	—	4.50E-02	mg/L	—	—	08-1704	CAMO-08-14472	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	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	56.4	—	—	4.50E-02	mg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	453	—	—	1.00E+00	µS/cm	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	458	—	—	1.00E+00	µS/cm	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	458	—	—	1.00E+00	µS/cm	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	µS/cm	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	571	—	—	1.00E+00	µS/cm	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.31	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.58	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.29	—	—	1.00E-01	mg/L	—	J-	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.63	—	—	1.00E-01	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.74	—	—	1.00E-01	mg/L	—	J-	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	290	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	266	—	—	2.40E+00	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	281	—	—	2.40E+00	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	278	—	—	2.40E+00	mg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	341	—	—	2.40E+00	mg/L	—	—	08-1704	CAMO-08-14472	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	05/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.374	—	—	3.30E-02	mg/L	—	J-	09-1718	CAMO-09-8144	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.453	—	—	2.90E-02	mg/L	—	J+	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.049	—	—	2.90E-02	mg/L	J	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1703	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.03	—	—	3.30E-01	mg/L	—	—	09-2923	CAMO-09-9498	GELC
MCO-4B	4581	8.9	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.11	—	—	3.30E-01	mg/L	—	—	09-1718	CAMO-09-8144	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.12	—	—	3.30E-01	mg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.05	—	—	3.30E-01	mg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.12	—	—	3.30E-01	mg/L	—	—	08-1703	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.138	—	—	1.50E-02	mg/L	—	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.061	—	—	1.50E-02	mg/L	—	U	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.033	—	—	2.40E-02	mg/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.08	—	—	2.40E-02	mg/L	—	J-	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.075	—	—	2.40E-02	mg/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.13	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.21	—	—	1.00E-02	SU	H	J-	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.12	—	—	1.00E-02	SU	H	J-	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.03	—	—	1.00E-02	SU	H	J-	09-253	CAMO-09-766	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/18/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	78.8	—	—	6.80E+01	µg/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	µg/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	µg/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	205	—	—	6.80E+01	µg/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	µg/L	J	J	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	379	—	—	6.80E+01	µg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	78.6	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	104	—	—	1.00E+00	µg/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	77.5	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	104	—	—	1.00E+00	µg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46.2	—	—	1.50E+01	µg/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	µg/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	µg/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.4	—	—	1.00E+01	µg/L	J	J	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.3	—	—	1.50E+01	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	38.6	—	—	1.00E+01	µg/L	J	J	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	40.4	—	—	3.00E+01	µg/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	29.9	—	—	2.50E+01	µg/L	J	J	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51	—	—	3.00E+01	µg/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	107	—	—	2.50E+01	µg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	240	—	—	2.50E+01	µg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	27.8	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	18.6	—	—	1.00E-01	µg/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	27.8	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	18	—	—	1.00E-01	µg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.67	—	—	5.00E-01	µg/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	µg/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	µg/L	J	J	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.69	—	—	5.00E-01	µg/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	µg/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	µg/L	J	J	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36.5	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.7	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.1	—	—	3.20E-02	mg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.5	—	—	3.20E-02	mg/L	N	J-	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.9	—	—	3.20E-02	mg/L	—	—	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.7	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	131	—	—	1.00E+00	µg/L	—	—	08-1704	CAMO-08-14472	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	95.2	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	129	—	—	1.00E+00	µg/L	—	—	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.186	—	—	5.00E-02	µg/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	µg/L	—	—	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	µg/L	—	—	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.25	—	—	5.00E-02	µg/L	—	U	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.192	—	—	5.00E-02	µg/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	µg/L	—	—	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.23	—	—	5.00E-02	µg/L	—	—	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.26	—	—	5.00E-02	µg/L	—	U	08-1704	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.93	—	—	3.30E+00	µg/L	J	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	µg/L	U	U	09-807	CAMO-09-2583	GELC
MCO-4B	4581	8.9	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	µg/L	U	U	09-253	CAMO-09-766	GELC
MCO-4B	4581	8.9	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	2.00E+00	µg/L	J	J	08-1704	CAMO-08-14472	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.22	—	—	3.30E+00	µg/L	J	J	09-2924	CAMO-09-9498	GELC
MCO-4B	4581	8.9	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.8	—	—	2.00E+00	µg/L	J	J	09-807	CAMO-09-2582	GELC
MCO-4B	4581	8.9	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	2.3	—	—	2.00E+00	µg/L	J	J	09-253	CAMO-09-765	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.5	—	—	2.00E+00	µg/L	J	J	08-1704	CAMO-08-14471	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.171	8.17E-03	3.71E-02	—	pCi/L	—	—	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.26	9.50E-03	3.87E-02	—	pCi/L	—	—	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.92	3.17E-01	3.35E+00	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.07	8.77E-01	3.48E+00	—	pCi/L	U	U	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.502	3.53E-01	3.83E+00	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.42	3.47E-01	4.13E+00	—	pCi/L	U	U	145782	GU05090G4BM01	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-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	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	04/21/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	112	7.13E-01	1.72E+00	—	pCi/L	—	—	135047	GF05040G4BM01	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
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	04/21/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	116	5.97E-01	1.37E+00	—	pCi/L	—	—	135047	GU05040G4BM01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	83.7	2.81E+01	2.35E+02	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	114	3.04E+01	2.98E+02	—	pCi/L	U	U	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.9	2.17E+00	2.40E+01	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.68	2.95E+00	3.10E+01	—	pCi/L	U	U	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.11	5.77E-03	5.31E-02	—	pCi/L	—	J	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.141	6.33E-03	4.31E-02	—	pCi/L	—	—	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.202	8.07E-03	4.49E-02	—	pCi/L	—	—	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.27	9.20E-03	3.64E-02	—	pCi/L	—	—	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	34.9	7.43E+00	3.78E+01	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.55	6.73E+00	3.50E+01	—	pCi/L	U	U	145782	GU05090G4BM01	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
MCO-4B	4581	8.9	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.75	4.23E-01	3.47E+00	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.533	3.70E-01	4.16E+00	—	pCi/L	U	U	145782	GU05090G4BM01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	F	CS	—	Rad	EPA:905.0	Strontium-90	—	29.6	2.38E-01	3.14E-01	—	pCi/L	—	—	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	32.3	2.48E-01	2.72E-01	—	pCi/L	—	—	145782	GU05090G4BM01	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.00545	4.33E-03	1.50E-01	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	07/08/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0198	3.09E-03	7.10E-02	—	pCi/L	U	U	116582	GU04070G4BM01	GELC
MCO-4B	4581	8.9	06/30/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0158	8.33E-03	1.13E-01	—	pCi/L	U	U	83489	GU03060G4BM02	GELC
MCO-4B	4581	8.9	06/30/03	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-228	<	0.0198	6.93E-03	9.50E-02	—	pCi/L	U	—	83489	GU03060G4BM02	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0671	5.67E-03	1.70E-01	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	07/08/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.047	3.43E-03	1.32E-01	—	pCi/L	U	U	116582	GU04070G4BM01	GELC
MCO-4B	4581	8.9	06/30/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0438	4.20E-03	1.77E-01	—	pCi/L	—	U	83489	GU03060G4BM02	GELC
MCO-4B	4581	8.9	06/30/03	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-230	—	0.0428	3.77E-03	1.49E-01	—	pCi/L	—	—	83489	GU03060G4BM02	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.00696	3.00E-03	5.50E-02	—	pCi/L	U	U	09-2925	CAMO-09-9498	GELC
MCO-4B	4581	8.9	07/08/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0189	2.10E-03	3.30E-02	—	pCi/L	U	U	116582	GU04070G4BM01	GELC
MCO-4B	4581	8.9	06/30/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.00784	2.40E-03	5.10E-02	—	pCi/L	U	U	83489	GU03060G4BM02	GELC
MCO-4B	4581	8.9	06/30/03	WG	UF	DUP	—	Rad	Alpha Spec	Thorium-232	<	0.0181	2.67E-03	4.30E-02	—	pCi/L	U	—	83489	GU03060G4BM02	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	02/27/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	675	2.22E+01	1.97E+02	—	pCi/L	—	—	181642	GU070200G4BM02	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.542	1.42E-02	6.38E-02	—	pCi/L	—	—	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.518	1.38E-02	6.35E-02	—	pCi/L	—	—	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	3.00E-03	4.81E-02	—	pCi/L	U	U	145782	GF05090G4BM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0463	5.87E-03	4.78E-02	—	pCi/L	U	U	145782	GU05090G4BM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.161	6.70E-03	4.52E-02	—	pCi/L	—	—	145782	GF05090G4BM01	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-4B	4581	8.9	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.57E-03	4.49E-02	—	pCi/L	—	—	145782	GU05090G4BM01	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	0.594	—	—	2.50E-01	µg/L	J	J	09-2923	CAMO-09-9498	GELC
MCO-4B	4581	8.9	08/18/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	µg/L	U	U	08-1703	CAMO-08-14471	GELC
MCO-4B	4581	8.9	08/13/07	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	2.27	—	—	2.50E-01	µg/L	—	—	191539	GU070800G4BM01	GELC
MCO-4B	4581	8.9	06/04/07	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	0.289	—	—	2.50E-01	µg/L	J	—	187192	GU070500G4BM01	GELC
MCO-4B	4581	8.9	02/27/07	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	µg/L	U	—	181642	GU070200G4BM01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.8	—	—	3.00E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	35	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.9	—	—	3.00E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.6	—	—	3.00E-02	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	38.8	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	37.9	—	—	3.00E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.4	—	—	3.00E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.7	—	—	3.00E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.4	—	—	3.00E-02	mg/L	—	—	08-603	CAMO-08-10473	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	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.4	—	—	6.60E-01	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	36	—	—	6.60E-01	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.664	—	—	3.30E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.82	—	—	3.30E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.827	—	—	3.30E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.714	—	—	3.30E-02	mg/L	—	J-	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.04	—	—	3.30E-02	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	114	—	—	3.50E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	101	—	—	3.50E-01	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77	—	—	4.30E-01	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	98.9	—	—	3.50E-01	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	105	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	73.3	—	—	4.30E-01	mg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.31	—	—	8.50E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.32	—	—	8.50E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.29	—	—	8.50E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.59	—	—	8.50E-02	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.23	—	—	8.50E-02	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.31	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.41	—	—	8.50E-02	mg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.74	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.39	—	—	5.00E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.02	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.41	—	—	5.00E-02	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.78	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.3	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	14.3	—	—	1.30E+00	µg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.9	—	—	5.00E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.8	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.3	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13	—	—	5.00E-02	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.1	—	—	5.00E-02	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.1	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.4	—	—	5.00E-02	mg/L	—	—	08-603	CAMO-08-10473	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	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.3	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	46.3	—	—	4.50E-02	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	56.3	—	—	1.00E-01	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57	—	—	4.50E-02	mg/L	—	—	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	54	—	—	4.50E-02	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.1	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	44.7	—	—	4.50E-02	mg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	517	—	—	1.00E+00	µS/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	µS/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	µS/cm	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	543	—	—	1.00E+00	µS/cm	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	352	—	—	1.00E+00	µS/cm	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.8	—	—	1.00E-01	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.04	—	—	1.00E-01	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.77	—	—	1.00E-01	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.69	—	—	1.00E-01	mg/L	—	J-	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10	—	—	1.00E-01	mg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	309	—	—	2.40E+00	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	308	—	—	2.40E+00	mg/L	—	J	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	324	—	—	2.40E+00	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	255	—	—	2.40E+00	mg/L	—	J	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.43	—	—	3.30E-01	mg/L	—	—	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.8	—	—	3.30E-01	mg/L	—	—	09-883	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.68	—	—	3.30E-01	mg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.87	—	—	3.30E-01	mg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/21/07	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.07	—	—	3.30E-01	mg/L	—	—	192208	GU070800G5CM01	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.95	—	—	1.00E-02	SU	H	J-	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.05	—	—	1.00E-02	SU	H	J-	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.93	—	—	1.00E-02	SU	H	J-	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.34	—	—	1.00E-02	SU	H	J-	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	315	—	—	6.80E+01	µg/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	µg/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	270	—	—	6.80E+01	µg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	73.3	—	—	6.80E+01	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	252	—	—	6.80E+01	µg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.17	—	—	1.50E+00	µg/L	J	J	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	3.2	—	—	1.50E+00	µg/L	J	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.76	—	—	1.50E+00	µg/L	J	J	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	3.9	—	—	1.50E+00	µg/L	J	U	09-884	CAMO-09-2593	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	111	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	103	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	87.6	—	—	1.00E+00	µg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	106	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	106	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	84.7	—	—	1.00E+00	µg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	26.4	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	24.9	—	—	1.00E-01	µg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	49.8	—	—	2.00E+00	µg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.3	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	24.6	—	—	1.00E-01	µg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	46.3	—	—	2.00E+00	µg/L	—	—	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	µg/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	µg/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	µg/L	J	J	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	µg/L	J	J	09-2909	CAMO-08-9502	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.9	—	—	5.00E-01	µg/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	µg/L	J	J	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	µg/L	J	J	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.07	—	—	1.00E+00	µg/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	µg/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	µg/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.5	—	—	1.00E+00	µg/L	J	J	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/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	µg/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.3	—	—	1.00E+00	µg/L	J	J	08-603	CAMO-08-10473	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	5.30E-02	mg/L	—	—	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.7	—	—	3.20E-02	mg/L	—	—	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.5	—	—	3.20E-02	mg/L	N	J-	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36.2	—	—	3.20E-02	mg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.2	—	—	3.20E-02	mg/L	N	J+	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	151	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	µg/L	—	—	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	µg/L	—	—	08-603	CAMO-08-10473	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	F	CS	—	Metals	SW-846:6020	Thallium	—	0.477	—	—	3.00E-01	µg/L	J	J	09-2909	CAMO-09-9501	GELC
MCO-5	4591	21	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-884	CAMO-09-2592	GELC
MCO-5	4591	21	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-253	CAMO-09-776	GELC
MCO-5	4591	21	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.79	—	—	3.00E-01	µg/L	J	U	08-1698	CAMO-08-14473	GELC
MCO-5	4591	21	02/07/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-603	CAMO-08-10474	GELC
MCO-5	4591	21	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-884	CAMO-09-2593	GELC
MCO-5	4591	21	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-253	CAMO-09-775	GELC
MCO-5	4591	21	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1698	CAMO-08-14474	GELC
MCO-5	4591	21	02/07/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.32	—	—	3.00E-01	µg/L	J	J	08-603	CAMO-08-10473	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	05/03/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0624	3.97E-03	3.40E-02	—	pCi/L	—	J	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0512	5.83E-03	4.00E-02	—	pCi/L	—	J	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.17	3.40E-01	3.39E+00	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.664	3.63E-01	4.11E+00	—	pCi/L	U	U	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.47	3.09E-01	3.94E+00	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0115	4.13E-01	4.53E+00	—	pCi/L	U	U	135782	GU05050G5CM01	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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	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	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	06/07/04	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	122	7.40E-01	1.78E+00	—	pCi/L	—	—	114586	GU04060G5CM01	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	05/03/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	99.1	2.27E+01	2.39E+02	—	pCi/L	U	U	135782	GF05050G5CM01	GELC
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	05/03/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	120	1.36E+02	3.07E+02	—	pCi/L	U	U	135782	GU05050G5CM01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	05/03/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.933	3.02E+00	2.74E+01	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.1	3.40E+00	3.59E+01	—	pCi/L	U	U	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0267	3.15E-03	4.00E-02	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0344	3.09E-03	4.50E-02	—	pCi/L	U	U	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0172	2.13E-03	3.30E-02	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0107	2.96E-03	3.80E-02	—	pCi/L	U	U	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	33.6	7.27E+00	4.03E+01	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	53.7	5.33E+00	6.33E+01	—	pCi/L	U	U	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.97	5.00E-01	3.57E+00	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.12	4.33E-01	4.99E+00	—	pCi/L	U	U	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	22.7	2.49E-01	2.70E-01	—	pCi/L	—	—	135782	GF05050G5CM01	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
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	05/03/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	26.8	3.80E-01	1.91E-01	—	pCi/L	—	J	135782	GU05050G5CM01	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.00823	1.90E-03	1.20E-01	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	06/07/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	-0.0134	2.15E-03	6.90E-02	—	pCi/L	U	U	114586	GU04060G5CM01	GELC
MCO-5	4591	21	06/30/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0166	7.73E-03	1.70E-01	—	pCi/L	U	U	83489	GU03060G5CM01-1	GELC
MCO-5	4591	21	05/30/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.018	3.70E-03	3.57E-02	—	pCi/L	U	U	61409	GU02050G5CM01	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0115	2.40E-03	1.30E-01	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	06/07/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0506	3.60E-03	1.28E-01	—	pCi/L	U	U	114586	GU04060G5CM01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	06/30/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0143	1.35E-02	2.66E-01	—	pCi/L	U	U	83489	GU03060G5CM01-1	GELC
MCO-5	4591	21	05/30/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	—	0.0528	4.03E-03	2.04E-02	—	pCi/L	—	J	61409	GU02050G5CM01	GELC
MCO-5	4591	21	08/17/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.00244	8.00E-04	4.30E-02	—	pCi/L	U	U	09-2909	CAMO-09-9502	GELC
MCO-5	4591	21	06/07/04	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.00167	1.67E-03	3.20E-02	—	pCi/L	U	U	114586	GU04060G5CM01	GELC
MCO-5	4591	21	06/30/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0533	7.30E-03	7.70E-02	—	pCi/L	U	U	83489	GU03060G5CM01-1	GELC
MCO-5	4591	21	05/30/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0066	1.65E-03	1.62E-02	—	pCi/L	U	U	61409	GU02050G5CM01	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	03/05/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	883	3.11E+01	1.58E+02	—	pCi/L	—	—	181927	GU070200G5CM01	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	05/03/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.428	1.22E-02	6.60E-02	—	pCi/L	—	J	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.503	1.46E-02	7.70E-02	—	pCi/L	—	—	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0392	3.47E-03	4.00E-02	—	pCi/L	U	U	135782	GF05050G5CM01	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	05/03/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0583	4.63E-03	4.70E-02	—	pCi/L	—	J	135782	GU05050G5CM01	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	05/03/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.137	6.13E-03	4.70E-02	—	pCi/L	—	J	135782	GF05050G5CM01	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-5	4591	21	05/03/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.149	7.10E-03	5.50E-02	—	pCi/L	—	J	135782	GU05050G5CM01	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	119	—	—	7.30E-01	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	112	—	—	7.30E-01	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.7	—	—	7.30E-01	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.8	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.9	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	38.3	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.3	—	—	3.00E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.4	—	—	3.00E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	39.4	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43	—	—	3.00E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	3.00E-02	mg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.7	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	59.4	—	—	6.60E-01	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64.1	—	—	6.60E-01	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	80.4	—	—	6.60E-01	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	102	—	—	6.60E-01	mg/L	—	—	08-1713	CAMO-08-14477	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.875	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.985	—	—	3.30E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.895	—	—	3.30E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.872	—	—	3.30E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.893	—	—	3.30E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	100	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	100	—	—	3.50E-01	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	98.2	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	99	—	—	3.50E-01	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	113	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	124	—	—	3.50E-01	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.3	—	—	4.30E-01	mg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.18	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.19	—	—	8.50E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.59	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.48	—	—	8.50E-02	mg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.4	—	—	5.00E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.02	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.745	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.26	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.34	—	—	5.00E-01	µg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	µg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.51	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.39	—	—	1.00E+00	µg/L	—	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.4	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.7	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.8	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.2	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.6	—	—	5.00E-02	mg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.5	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	50.7	—	—	4.50E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.5	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.9	—	—	4.50E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.5	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	50	—	—	4.50E-02	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	59.9	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.3	—	—	4.50E-02	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	49.2	—	—	4.50E-02	mg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	486	—	—	1.00E+00	µS/cm	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	µS/cm	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	µS/cm	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	539	—	—	1.00E+00	µS/cm	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	579	—	—	1.00E+00	µS/cm	—	—	08-1713	CAMO-08-14477	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.15	—	—	1.00E-01	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.36	—	—	1.00E-01	mg/L	—	J-	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.87	—	—	1.00E-01	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.29	—	—	1.00E-01	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	274	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	282	—	—	2.40E+00	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	286	—	—	2.40E+00	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	313	—	—	2.40E+00	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	351	—	—	2.40E+00	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.5	—	—	3.30E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	05/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.95	—	—	3.30E-01	mg/L	—	—	09-1732	CAMO-09-8146	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.33	—	—	3.30E-01	mg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.67	—	—	3.30E-01	mg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.72	—	—	3.30E-01	mg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.99	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.01	—	—	1.00E-02	SU	H	J-	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.99	—	—	1.00E-02	SU	H	J-	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.32	—	—	1.00E-02	SU	H	J-	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	87.5	—	—	6.80E+01	µg/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	171	—	—	6.80E+01	µg/L	J	J	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	88.9	—	—	6.80E+01	µg/L	J	J	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	240	—	—	6.80E+01	µg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	117	—	—	6.80E+01	µg/L	J	J	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	98.4	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	116	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	96.2	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	119	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	78.6	—	—	1.00E+00	µg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.4	—	—	1.50E+01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40	—	—	1.00E+01	µg/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.2	—	—	1.50E+01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.8	—	—	1.00E+01	µg/L	J	J	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	58.5	—	—	1.00E+01	µg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	31.2	—	—	3.00E+01	µg/L	J	J	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	27.2	—	—	2.50E+01	µg/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	102	—	—	3.00E+01	µg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	123	—	—	2.50E+01	µg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	64.8	—	—	2.50E+01	µg/L	J	J	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-1713	CAMO-08-14477	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	—	Metals	SW-846:6010B	Manganese	—	2.04	—	—	2.00E+00	µg/L	J	J	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.4	—	—	2.00E+00	µg/L	J	J	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	34.4	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	27.1	—	—	1.00E-01	µg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	33.4	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	27.4	—	—	1.00E-01	µg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.6	—	—	1.00E-01	µg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.65	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	µg/L	J	J	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	µg/L	J	J	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.5	—	—	5.00E-01	µg/L	—	—	08-669	CAMO-08-10882	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	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.2	—	—	3.20E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.9	—	—	3.20E-02	mg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.4	—	—	3.20E-02	mg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.4	—	—	3.20E-02	mg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	114	—	—	1.00E+00	µg/L	—	—	08-669	CAMO-08-10882	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	µg/L	—	—	09-807	CAMO-09-2584	GELC
MCO-6	4601	27	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	µg/L	—	—	09-262	CAMO-09-767	GELC
MCO-6	4601	27	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.26	—	—	5.00E-02	µg/L	—	U	08-1713	CAMO-08-14477	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.519	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.52	—	—	5.00E-02	µg/L	—	—	09-807	CAMO-09-2585	GELC
MCO-6	4601	27	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	µg/L	—	—	09-262	CAMO-09-768	GELC
MCO-6	4601	27	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.23	—	—	5.00E-02	µg/L	—	U	08-1713	CAMO-08-14478	GELC
MCO-6	4601	27	02/21/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	5.00E-02	µg/L	—	—	08-669	CAMO-08-10882	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0852	4.93E-03	3.09E-02	—	pCi/L	—	J	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0613	4.17E-03	3.07E-02	—	pCi/L	—	J	145739	GU05090G6CM01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	07/06/06	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	09/14/05	WG	F	CS	---	Rad	EPA:901.1	Cesium-137	<	-1.99	3.93E-01	3.75E+00	---	pCi/L	U	U	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	---	Rad	EPA:901.1	Cesium-137	<	-1.29	3.57E-01	3.72E+00	---	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	---	Rad	EPA:901.1	Cobalt-60	<	0.395	4.17E-01	4.66E+00	---	pCi/L	U	U	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	---	Rad	EPA:901.1	Cobalt-60	<	1.03	3.87E-01	4.74E+00	---	pCi/L	U	U	145739	GU05090G6CM01	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	---	Rad	EPA:900	Gross alpha/beta	<	0.881	3.67E-01	2.30E+00	---	pCi/L	U	U	09-2858	CAMO-09-9507	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	04/27/05	WG	F	CS	---	Rad	EPA:900	Gross beta	---	88.8	5.10E-01	1.34E+00	---	pCi/L	---	---	135556	GF05040G6CM01	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	04/27/05	WG	UF	CS	---	Rad	EPA:900	Gross beta	---	110	1.32E+00	2.36E+00	---	pCi/L	---	---	135556	GU05040G6CM01	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	09/14/05	WG	F	CS	---	Rad	EPA:901.1	Gross gamma	<	90.8	3.15E+01	3.87E+02	---	pCi/L	U	U	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	---	Rad	EPA:901.1	Gross gamma	<	68.3	2.32E+01	2.64E+02	---	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	---	Rad	EPA:901.1	Neptunium-237	<	20	3.07E+00	3.20E+01	---	pCi/L	U	U	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	---	Rad	EPA:901.1	Neptunium-237	<	15	2.19E+00	1.59E+01	---	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	---	Rad	HASL-300	Plutonium-238	<	0.0212	4.13E-03	4.01E-02	---	pCi/L	U	U	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	---	Rad	HASL-300	Plutonium-238	<	0.00938	4.13E-03	4.86E-02	---	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	---	Rad	HASL-300	Plutonium-239/240	<	-0.00772	2.73E-03	3.39E-02	---	pCi/L	U	U	145739	GF05090G6CM01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	—	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0305	3.77E-03	4.11E-02	—	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	32.3	4.70E+00	3.58E+01	—	pCi/L	U	U	145739	GF05090G6CM01	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
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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.8	4.43E+00	5.49E+01	—	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.54	4.13E-01	4.55E+00	—	pCi/L	U	U	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.864	4.87E-01	5.41E+00	—	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	26.2	1.67E-01	2.27E-01	—	pCi/L	—	—	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	36.4	2.45E-01	2.19E-01	—	pCi/L	—	—	145739	GU05090G6CM01	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.00802	3.67E-03	8.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	07/01/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0231	8.17E-03	1.20E-01	—	pCi/L	U	U	83489	GU03060G6CM02	GELC
MCO-6	4601	27	05/29/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0186	4.53E-03	4.53E-02	—	pCi/L	U	U	61409	GU02050G6CM01	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0193	2.40E-03	9.10E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	07/01/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0644	6.03E-03	1.88E-01	—	pCi/L	—	U	83489	GU03060G6CM02	GELC
MCO-6	4601	27	05/29/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	—	0.0364	3.40E-03	2.18E-02	—	pCi/L	—	J	61409	GU02050G6CM01	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.00582	1.83E-03	3.00E-02	—	pCi/L	U	U	09-2858	CAMO-09-9507	GELC
MCO-6	4601	27	07/01/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.00837	2.15E-03	5.40E-02	—	pCi/L	U	U	83489	GU03060G6CM02	GELC
MCO-6	4601	27	05/29/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.00202	6.77E-04	5.48E-03	—	pCi/L	U	U	61409	GU02050G6CM01	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	02/28/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	604	2.22E+01	1.99E+02	—	pCi/L	—	—	181693	GU070200G6CM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.908	2.05E-02	8.05E-02	—	pCi/L	—	—	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.812	2.03E-02	9.35E-02	—	pCi/L	—	—	145739	GU05090G6CM01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	07/06/06	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.062	5.27E-03	6.06E-02	—	pCi/L	—	J	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0682	5.73E-03	7.04E-02	—	pCi/L	U	U	145739	GU05090G6CM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.314	1.07E-02	5.70E-02	—	pCi/L	—	—	145739	GF05090G6CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.319	1.13E-02	6.62E-02	—	pCi/L	—	—	145739	GU05090G6CM01	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	109	—	—	7.30E-01	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.0161	—	—	1.60E-02	mg/L	J	J	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.02	—	—	1.60E-02	mg/L	J	J-	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.4	—	—	5.00E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	3.00E-02	mg/L	—	—	08-1713	CAMO-08-14482	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	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	3.00E-02	mg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	59.5	—	—	6.60E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	61.3	—	—	6.60E-01	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	55.9	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.9	—	—	6.60E-01	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	48.5	—	—	3.30E-01	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.07	—	—	3.30E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.22	—	—	3.30E-02	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.11	—	—	3.30E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.29	—	—	3.30E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.39	—	—	3.30E-02	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	89	—	—	3.50E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.2	—	—	3.50E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	73.3	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.4	—	—	3.50E-01	mg/L	—	—	08-1713	CAMO-08-14482	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	08/19/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70	—	—	3.50E-01	mg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.3	—	—	8.50E-02	mg/L	—	—	08-1713	CAMO-08-14482	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.63	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.3	—	—	8.50E-02	mg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.3	—	—	5.00E-02	mg/L	—	J	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.15	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.11	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	12	—	—	1.30E+00	µg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.97	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.4	—	—	1.00E+00	µg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.3	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	10.1	—	—	1.00E+00	µg/L	—	J	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.7	—	—	5.00E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16	—	—	5.00E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.6	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14482	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	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.9	—	—	5.00E-02	mg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	1.00E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52	—	—	4.50E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.5	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	43.1	—	—	4.50E-02	mg/L	—	—	08-1713	CAMO-08-14482	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	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	44.3	—	—	4.50E-02	mg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	486	—	—	1.00E+00	µS/cm	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	469	—	—	1.00E+00	µS/cm	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	430	—	—	1.00E+00	µS/cm	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	430	—	—	1.00E+00	µS/cm	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.1	—	—	1.00E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.1	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.59	—	—	1.00E-01	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11	—	—	1.00E-01	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11	—	—	1.00E-01	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	269	—	—	2.40E+00	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	278	—	—	2.40E+00	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	269	—	—	2.40E+00	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	252	—	—	2.40E+00	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	262	—	—	2.40E+00	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.23	—	—	3.30E-01	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.12	—	—	3.30E-01	mg/L	—	—	09-1718	CAMO-09-8147	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.45	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.18	—	—	3.30E-01	mg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.45	—	—	3.30E-01	mg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.292	—	—	1.50E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.226	—	—	1.50E-02	mg/L	—	J	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.325	—	—	2.40E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.242	—	—	2.40E-02	mg/L	—	J-	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.313	—	—	2.40E-02	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.19	—	—	1.00E-02	SU	H	J-	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.05	—	—	1.00E-02	SU	H	J-	09-262	CAMO-09-770	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	167	—	—	6.80E+01	µg/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	177	—	—	6.80E+01	µg/L	J	J	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1150	—	—	6.80E+01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	307	—	—	6.80E+01	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	209	—	—	1.00E+00	µg/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	µg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	176	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	161	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	213	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	156	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	70.5	—	—	1.50E+01	µg/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	µg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	77.8	—	—	1.00E+01	µg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	65.9	—	—	1.00E+01	µg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	68	—	—	1.50E+01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	64.7	—	—	1.00E+01	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.6	—	—	1.50E+00	µg/L	J	J	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.62	—	—	2.50E+00	µg/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	µg/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	µg/L	J	J	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1.7	—	—	1.50E+00	µg/L	J	J	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	73.8	—	—	2.50E+01	µg/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	61.2	—	—	2.50E+01	µg/L	J	J	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	555	—	—	3.00E+01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	141	—	—	2.50E+01	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.34	—	—	5.00E-01	µg/L	J	J	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.85	—	—	5.00E-01	µg/L	J	J	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	20.3	—	—	2.00E+00	µg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15	—	—	2.00E+00	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.1	—	—	2.00E+00	µg/L	J	J	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	35.7	—	—	1.00E-01	µg/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	µg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	43.5	—	—	1.00E-01	µg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	34.6	—	—	1.00E-01	µg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	36.1	—	—	1.00E-01	µg/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	µg/L	—	—	09-794	CAMO-09-2587	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	—	Metals	SW-846:6020	Molybdenum	—	44.4	—	—	1.00E-01	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	33.9	—	—	1.00E-01	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.24	—	—	5.00E-01	µg/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	µg/L	J	J	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	µg/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.11	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.2	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.3	—	—	3.20E-02	mg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	45.8	—	—	3.20E-02	mg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.6	—	—	3.20E-02	mg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	151	—	—	1.00E+00	µg/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	µg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	147	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.862	—	—	5.00E-02	µg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	µg/L	—	—	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	µg/L	—	—	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	µg/L	—	—	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	µg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	5.00E-02	µg/L	—	—	09-794	CAMO-09-2587	GELC
MCO-7	4631	39	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	µg/L	—	—	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	µg/L	—	—	08-1713	CAMO-08-14483	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.23	—	—	1.00E+00	µg/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	µg/L	J	J	09-794	CAMO-09-2586	GELC
MCO-7	4631	39	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00E+00	µg/L	J	J	09-262	CAMO-09-770	GELC
MCO-7	4631	39	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.7	—	—	1.00E+00	µg/L	J	U	08-1713	CAMO-08-14482	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.25	—	—	1.00E+00	µg/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	µg/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	µg/L	J	J	09-262	CAMO-09-769	GELC
MCO-7	4631	39	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	4.3	—	—	1.00E+00	µg/L	J	U	08-1713	CAMO-08-14483	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.0644	5.17E-03	3.40E-02	—	pCi/L	—	J	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.043	4.37E-03	3.27E-02	—	pCi/L	—	J	145579	GU05090G7CM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.22	4.30E-01	4.30E+00	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.225	3.12E-01	3.30E+00	—	pCi/L	U	U	145579	GU05090G7CM01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/19/08	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.832	4.40E-01	5.03E+00	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.985	3.40E-01	3.51E+00	—	pCi/L	U	U	145579	GU05090G7CM01	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	5.29	5.67E-01	3.90E+00	—	pCi/L	—	—	09-2875	CAMO-09-9514	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	04/28/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	31.5	3.09E-01	1.22E+00	—	pCi/L	—	—	135556	GF05040G7CM01	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	04/28/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	30.2	3.02E-01	1.32E+00	—	pCi/L	—	—	135556	GU05040G7CM01	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
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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	245	5.87E+01	5.79E+02	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	72.5	3.01E+01	2.67E+02	—	pCi/L	U	U	145579	GU05090G7CM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.25	3.13E+00	3.04E+01	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.6	2.55E+00	2.72E+01	—	pCi/L	U	U	145579	GU05090G7CM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0229	3.67E-03	3.65E-02	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00905	2.34E-03	3.76E-02	—	pCi/L	U	U	145579	GU05090G7CM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00352	2.75E-03	3.09E-02	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0109	2.26E-03	3.17E-02	—	pCi/L	U	U	145579	GU05090G7CM01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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:901.1	Potassium-40	—	43.2	5.50E+00	3.69E+01	—	pCi/L	—	J	166714	GF060500G7CM02	GELC
MCO-7	4631	39	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	23.9	7.23E+00	3.59E+01	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	44.4	6.30E+00	3.80E+01	—	pCi/L	—	J	145579	GU05090G7CM01	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	09/14/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	3.49	4.27E-01	5.43E+00	—	pCi/L	U	U	145579	GF05090G7CM01	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	UI	R	166714	GU060500G7CM01	GELC
MCO-7	4631	39	09/14/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.28	3.32E-01	4.25E+00	—	pCi/L	U	U	145579	GU05090G7CM01	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
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	09/14/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.428	2.46E-02	2.26E-01	—	pCi/L	—	J	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.678	3.06E-02	2.53E-01	—	pCi/L	—	J	145579	GU05090G7CM01	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.0714	5.33E-03	1.10E-01	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	07/01/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.0591	8.67E-03	1.27E-01	—	pCi/L	U	U	83489	GU03060G7CM02	GELC
MCO-7	4631	39	06/06/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.015	3.17E-03	3.64E-02	—	pCi/L	U	U	61758	GU02050G7CM01	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.053	3.67E-03	1.20E-01	—	pCi/L	U	U	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	07/01/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.124	7.70E-03	2.00E-01	—	pCi/L	—	U	83489	GU03060G7CM02	GELC
MCO-7	4631	39	06/06/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-230	—	0.0452	4.10E-03	2.53E-02	—	pCi/L	—	J	61758	GU02050G7CM01	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.0695	4.67E-03	3.90E-02	—	pCi/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	07/01/03	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.0182	3.28E-03	5.80E-02	—	pCi/L	U	U	83489	GU03060G7CM02	GELC
MCO-7	4631	39	06/06/02	WG	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.000763	1.12E-03	2.01E-02	—	pCi/L	U	U	61758	GU02050G7CM01	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	03/01/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	1010	2.07E+01	1.04E+02	—	pCi/L	—	—	181844	GU070200G7CM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.406	1.31E-02	8.42E-02	—	pCi/L	—	—	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.365	1.27E-02	8.70E-02	—	pCi/L	—	—	145579	GU05090G7CM01	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0375	4.47E-03	6.34E-02	—	pCi/L	U	U	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0211	5.00E-03	6.55E-02	—	pCi/L	U	U	145579	GU05090G7CM01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/19/08	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	09/14/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.284	1.07E-02	5.96E-02	—	pCi/L	—	—	145579	GF05090G7CM01	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	09/14/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.336	1.20E-02	6.16E-02	—	pCi/L	—	—	145579	GU05090G7CM01	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	126	—	—	7.30E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	119	—	—	7.30E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	123	—	—	7.30E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	146	—	—	7.30E-01	mg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	22	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.8	—	—	3.00E-02	mg/L	N	J+	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.9	—	—	3.00E-02	mg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	22	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	3.00E-02	mg/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	3.00E-02	mg/L	N	J+	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.3	—	—	3.00E-02	mg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	43.5	—	—	3.30E-01	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	43	—	—	3.30E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.4	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	42.3	—	—	6.60E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	41.4	—	—	3.30E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35.9	—	—	3.30E-01	mg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	1.32	—	—	3.30E-02	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.33	—	—	3.30E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.35	—	—	3.30E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.47	—	—	3.30E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.34	—	—	3.30E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.35	—	—	3.30E-02	mg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	78.6	—	—	3.50E-01	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	3.50E-01	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.1	—	—	3.50E-01	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77	—	—	4.30E-01	mg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	79	—	—	3.50E-01	mg/L	—	—	09-2792	CAMO-09-9515	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	08/14/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.6	—	—	3.50E-01	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	74.7	—	—	4.30E-01	mg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.86	—	—	8.50E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.35	—	—	8.50E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.13	—	—	8.50E-02	mg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.41	—	—	8.50E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.39	—	—	8.50E-02	mg/L	—	—	08-599	CAMO-08-10484	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	FD	Geninorg	SW-846:6010B	Magnesium	---	5.84	---	---	8.50E-02	mg/L	---	---	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	---	Geninorg	SW-846:6010B	Magnesium	---	5.79	---	---	8.50E-02	mg/L	---	---	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	---	Geninorg	SW-846:6010B	Magnesium	---	5.17	---	---	8.50E-02	mg/L	---	---	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Magnesium	---	5.07	---	---	8.50E-02	mg/L	---	---	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Magnesium	---	5.29	---	---	8.50E-02	mg/L	---	---	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Magnesium	---	5.23	---	---	8.50E-02	mg/L	---	---	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	2.45	---	---	5.00E-02	mg/L	---	---	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	2.31	---	---	5.00E-02	mg/L	---	---	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	1.42	---	---	5.00E-02	mg/L	---	---	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	1.49	---	---	5.00E-02	mg/L	---	---	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	1.82	---	---	5.00E-02	mg/L	---	J-	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	---	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	---	2.17	---	---	5.00E-02	mg/L	---	J-	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	---	21.9	---	---	1.30E+00	µg/L	---	---	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	---	Geninorg	SW-846:6850	Perchlorate	---	21.3	---	---	1.30E+00	µg/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	µg/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	µg/L	---	---	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	---	Geninorg	SW-846:6850	Perchlorate	---	16.4	---	---	1.30E+00	µg/L	---	---	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	---	Geninorg	SW-846:6850	Perchlorate	---	24.2	---	---	2.00E+00	µg/L	---	---	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	---	13.2	---	---	5.00E-02	mg/L	---	---	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	13.6	---	---	5.00E-02	mg/L	---	---	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	12.7	---	---	5.00E-02	mg/L	---	---	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	12.4	---	---	5.00E-02	mg/L	---	---	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	13.2	---	---	5.00E-02	mg/L	---	---	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	---	Geninorg	SW-846:6010B	Potassium	---	12.6	---	---	5.00E-02	mg/L	---	---	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	---	13.2	---	---	5.00E-02	mg/L	---	---	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	13.3	---	---	5.00E-02	mg/L	---	---	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	12.4	---	---	5.00E-02	mg/L	---	---	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	12.2	---	---	5.00E-02	mg/L	---	---	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	12	---	---	5.00E-02	mg/L	---	---	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Potassium	---	12.3	---	---	5.00E-02	mg/L	---	---	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	---	66.1	---	---	5.00E-01	mg/L	---	---	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	60.5	---	---	5.00E-01	mg/L	---	---	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	59.6	---	---	4.50E-02	mg/L	---	---	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	61.3	---	---	4.50E-02	mg/L	---	---	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	54	---	---	4.50E-02	mg/L	---	---	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	---	Geninorg	SW-846:6010B	Sodium	---	63.2	---	---	4.50E-02	mg/L	---	---	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	---	63.8	---	---	5.00E-01	mg/L	---	---	09-2792	CAMO-09-9515	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	08/14/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Sodium	---	53.1	---	---	4.50E-02	mg/L	---	---	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	---	Geninorg	SW-846:6010B	Sodium	---	60.8	---	---	4.50E-02	mg/L	---	---	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	---	439	---	---	1.00E+00	µS/cm	---	---	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	---	Geninorg	EPA:120.1	Specific Conductance	---	441	---	---	1.00E+00	µS/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	µS/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	µS/cm	---	---	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	---	Geninorg	EPA:120.1	Specific Conductance	---	449	---	---	1.00E+00	µS/cm	---	---	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	---	12.2	---	---	1.00E-01	mg/L	---	---	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	12.2	---	---	1.00E-01	mg/L	---	---	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	10.5	---	---	1.00E-01	mg/L	---	---	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	11.2	---	---	1.00E-01	mg/L	---	---	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	12.4	---	---	1.00E-01	mg/L	---	---	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	13.2	---	---	1.00E-01	mg/L	---	---	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	---	280	---	---	2.40E+00	mg/L	---	---	09-2792	CAMO-09-9519	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/14/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	274	—	—	2.40E+00	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	287	—	—	2.40E+00	mg/L	—	—	08-599	CAMO-08-10484	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	08/14/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.188	—	—	2.90E-02	mg/L	—	U	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	2.52	—	—	3.30E-01	mg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.42	—	—	3.30E-01	mg/L	—	—	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.33	—	—	3.30E-01	mg/L	—	—	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.95	—	—	3.30E-01	mg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.85	—	—	3.30E-01	mg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.2	—	—	3.30E-01	mg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7	—	—	1.00E-02	SU	H	J-	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.18	—	—	1.00E-02	SU	H	J-	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.08	—	—	1.00E-02	SU	H	J-	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	1.00E-02	SU	H	J-	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/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	µg/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	396	—	—	6.80E+01	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	239	—	—	6.80E+01	µg/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	µg/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	µg/L	J	J	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	173	—	—	1.00E+00	µg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	177	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	164	—	—	1.00E+00	µg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	173	—	—	1.00E+00	µg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	179	—	—	1.00E+00	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	180	—	—	1.00E+00	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	164	—	—	1.00E+00	µg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	169	—	—	1.00E+00	µg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	68.4	—	—	1.50E+01	µg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	70.3	—	—	1.50E+01	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	71.2	—	—	1.00E+01	µg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	75.6	—	—	1.00E+01	µg/L	—	U	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	69.8	—	—	1.50E+01	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	69.5	—	—	1.50E+01	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	72	—	—	1.00E+01	µg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	72.9	—	—	1.00E+01	µg/L	—	U	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	34.1	—	—	3.00E+01	µg/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	µg/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	µg/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	25.2	—	—	2.50E+01	µg/L	J	J	08-599	CAMO-08-10484	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	FD	Metals	SW-846:6010B	Iron	—	187	—	—	3.00E+01	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	3.00E+01	µg/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	µg/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	µg/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	49.6	—	—	2.50E+01	µg/L	J	J	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.663	—	—	5.00E-01	µg/L	J	J	09-2792	CAMO-09-9516	GELC
MCO-7.5	4661	35	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-794	CAMO-09-2589	GELC
MCO-7.5	4661	35	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/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	µg/L	U	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	9.96	—	—	2.00E+00	µg/L	J	J	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.69	—	—	2.00E+00	µg/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	µg/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	µg/L	U	U	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2	—	—	2.00E+00	µg/L	J	J	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	48.8	—	—	1.00E-01	µg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	48.7	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	44.1	—	—	1.00E-01	µg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	55.2	—	—	2.00E+00	µg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	47.2	—	—	1.00E-01	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.9	—	—	1.00E-01	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	44.3	—	—	1.00E-01	µg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	53.2	—	—	2.00E+00	µg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	2.37	—	—	5.00E-01	µg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.6	—	—	5.00E-01	µg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	2.46	—	—	5.00E-01	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.39	—	—	5.00E-01	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.5	—	—	5.00E-01	µg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	38.4	—	—	5.30E-02	mg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.3	—	—	5.30E-02	mg/L	—	—	09-2792	CAMO-09-9518	GELC
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.6	—	—	3.20E-02	mg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	<	38.3	—	—	3.20E-02	mg/L	—	U	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.1	—	—	3.20E-02	mg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.6	—	—	3.20E-02	mg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	154	—	—	5.00E+00	µg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	5.00E+00	µg/L	—	—	09-2792	CAMO-09-9518	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7.5	4661	35	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	142	—	—	1.00E+00	µg/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	µg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	µg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	1.00E+00	µg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	154	—	—	5.00E+00	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	5.00E+00	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	1.00E+00	µg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	1.00E+00	µg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.747	—	—	5.00E-02	µg/L	—	—	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.737	—	—	5.00E-02	µg/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	µg/L	—	—	09-794	CAMO-09-2588	GELC
MCO-7.5	4661	35	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	µg/L	—	—	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	µg/L	—	—	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	—	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.836	—	—	5.00E-02	µg/L	—	—	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.789	—	—	5.00E-02	µg/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	µg/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	µg/L	—	—	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.79	—	—	5.00E-02	µg/L	—	—	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	—	08-599	CAMO-08-10483	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	2.02	—	—	1.00E+00	µg/L	J	J	09-2792	CAMO-09-9519	GELC
MCO-7.5	4661	35	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	µg/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	µg/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	µg/L	J	J	09-273	CAMO-09-771	GELC
MCO-7.5	4661	35	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	µg/L	J	U	08-1692	CAMO-08-14487	GELC
MCO-7.5	4661	35	02/06/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.2	—	—	1.00E+00	µg/L	J	U	08-599	CAMO-08-10484	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	2.31	—	—	1.00E+00	µg/L	J	J	09-2792	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.21	—	—	1.00E+00	µg/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	µg/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	µg/L	J	J	09-273	CAMO-09-772	GELC
MCO-7.5	4661	35	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.7	—	—	1.00E+00	µg/L	J	U	08-1692	CAMO-08-14486	GELC
MCO-7.5	4661	35	02/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.1	—	—	1.00E+00	µg/L	J	U	08-599	CAMO-08-10483	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Americium-241	—	0.118	6.43E-03	3.13E-02	—	pCi/L	—	—	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00938	1.47E-03	2.60E-02	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	—	0.32	1.11E-02	3.64E-02	—	pCi/L	—	—	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.09	3.77E-01	4.32E+00	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.155	2.50E-01	2.50E+00	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	5.41	6.27E-01	4.28E+00	—	pCi/L	UI	R	145579	GU05090G57M01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.32	3.32E-01	4.01E+00	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-0.604	3.67E-01	2.70E+00	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.91	3.63E-01	4.67E+00	—	pCi/L	U	U	145579	GU05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	2.3	3.33E-01	2.70E+00	—	pCi/L	U	U	09-2791	CAMO-09-9515	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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	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	04/28/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	25	2.82E-01	1.32E+00	—	pCi/L	—	—	135556	GF05040G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	16.6	7.33E-01	3.80E+00	—	pCi/L	—	—	09-2791	CAMO-09-9515	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	04/28/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	27.6	3.02E-01	1.46E+00	—	pCi/L	—	—	135556	GU05040G57M01	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	80	2.39E+01	2.59E+02	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	134	1.67E+01	9.50E+01	—	pCi/L	—	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	90.8	8.20E+00	3.40E+02	—	pCi/L	U	U	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.9	2.57E+00	2.48E+01	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	6.98	2.00E+00	2.00E+01	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	U	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.738	2.88E+00	2.88E+01	—	pCi/L	U	U	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0479	6.03E-03	4.52E-02	—	pCi/L	—	J	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.0218	1.00E-02	8.20E-02	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.236	8.20E-03	4.49E-02	—	pCi/L	—	—	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0718	6.63E-03	3.82E-02	—	pCi/L	—	J	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.0163	4.67E-03	1.00E-01	—	pCi/L	U	U	09-2791	CAMO-09-9515	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
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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	07/10/06	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.324	9.83E-03	3.79E-02	—	pCi/L	—	—	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.3	5.03E+00	5.33E+01	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	2.77	3.67E+00	3.40E+01	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	60.3	6.77E+00	3.34E+01	—	pCi/L	UI	R	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.1	3.97E-01	4.54E+00	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.37	2.53E-01	2.70E+00	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.51	3.57E-01	4.32E+00	—	pCi/L	U	U	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0366	1.13E-02	1.20E-01	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.238	4.33E-02	4.70E-01	—	pCi/L	U	U	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0688	1.69E-02	1.98E-01	—	pCi/L	U	U	145579	GU05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	1180	5.00E+01	2.00E+02	—	pCi/L	—	—	09-2791	CAMO-09-9515	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	03/02/07	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	842	4.83E+01	3.74E+02	—	pCi/L	—	J	181788	GU070200G57M01	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.267	1.00E-02	7.61E-02	—	pCi/L	—	—	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.244	9.33E-03	7.20E-02	—	pCi/L	—	—	09-2791	CAMO-09-9515	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.315	1.14E-02	8.57E-02	—	pCi/L	—	—	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.037	4.17E-03	5.73E-02	—	pCi/L	U	U	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.007	2.07E-03	3.50E-02	—	pCi/L	U	U	09-2791	CAMO-09-9515	GELC
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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0313	4.20E-03	6.45E-02	—	pCi/L	U	U	145579	GU05090G57M01	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.25	9.47E-03	5.39E-02	—	pCi/L	—	—	145579	GF05090G57M01	GELC
MCO-7.5	4661	35	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.23	8.67E-03	3.60E-02	—	pCi/L	—	—	09-2791	CAMO-09-9515	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
MCO-7.5	4661	35	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.275	1.04E-02	6.07E-02	—	pCi/L	—	—	145579	GU05090G57M01	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.8	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.6	—	—	7.30E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.6	—	—	7.30E-01	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.2	—	—	7.30E-01	mg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.394	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.291	—	—	6.60E-02	mg/L	—	J+	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.5	—	—	6.70E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.402	—	—	6.70E-02	mg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.2	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.6	—	—	3.00E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	3.00E-02	mg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.7	—	—	1.30E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.8	—	—	1.30E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.6	—	—	1.30E-01	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.5	—	—	1.30E-01	mg/L	—	—	09-337	CAMO-09-778	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	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.362	—	—	3.30E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.262	—	—	3.30E-02	mg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.6	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.5	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	90.2	—	—	3.50E-01	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.2	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.7	—	—	3.50E-01	mg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.56	—	—	8.50E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.52	—	—	8.50E-02	mg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.68	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.1	—	—	2.50E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.5	—	—	1.00E-01	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.5	—	—	2.50E-01	mg/L	—	J+	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/19/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	08-1719	CAMO-08-14494	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	64.8	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	61.7	—	—	5.00E+00	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	63.8	—	—	1.00E+01	µg/L	—	J	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	78	—	—	1.00E+01	µg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.701	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.6	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.676	—	—	5.00E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.746	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.628	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.698	—	—	5.00E-02	mg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.1	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.1	—	—	4.50E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20.1	—	—	4.50E-02	mg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	270	—	—	1.00E+00	µS/cm	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	278	—	—	1.00E+00	µS/cm	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	277	—	—	1.00E+00	µS/cm	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24.7	—	—	1.00E-01	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24.7	—	—	1.00E-01	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	24.9	—	—	1.00E-01	mg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	241	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	233	—	—	2.40E+00	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	241	—	—	2.40E+00	mg/L	—	J	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	233	—	—	2.40E+00	mg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.058	—	—	3.30E-02	mg/L	J	J-	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.072	—	—	3.30E-02	mg/L	J	J-	09-1742	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	11/18/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-337	CAMO-09-777	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1719	CAMO-08-14496	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	05/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.522	—	—	3.30E-01	mg/L	J	J	09-1742	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.6	—	—	3.30E-01	mg/L	J	J	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.27	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.26	—	—	1.00E-02	SU	H	J-	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.2	—	—	1.00E-02	SU	H	J-	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.1	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.1	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.4	—	—	1.00E+00	µg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.7	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.3	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.9	—	—	1.00E+00	µg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	µg/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.00E+01	µg/L	J	J	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.00E+01	µg/L	J	J	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	µg/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.9	—	—	1.00E+01	µg/L	J	J	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.00E+01	µg/L	J	J	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.94	—	—	2.50E+00	µg/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.51	—	—	3.00E+00	µg/L	—	U	09-1744	CAMO-09-11415	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.47	—	—	1.50E+00	µg/L	—	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8	—	—	1.50E+00	µg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.45	—	—	2.50E+00	µg/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.24	—	—	1.50E+00	µg/L	—	U	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.7	—	—	1.50E+00	µg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.42	—	—	3.00E+00	µg/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	12.6	—	—	3.00E+00	µg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	26.2	—	—	3.00E+00	µg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.9	—	—	3.00E+00	µg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	60.6	—	—	3.00E+00	µg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.752	—	—	1.00E-01	µg/L	—	—	09-2807	CAMO-09-9528	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.735	—	—	1.00E-01	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.69	—	—	1.00E-01	µg/L	—	J	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.719	—	—	1.00E-01	µg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.688	—	—	1.00E-01	µg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.99	—	—	1.00E-01	µg/L	—	J	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.72	—	—	5.00E-01	µg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.94	—	—	5.00E-01	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	5.00E-01	µg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.14	—	—	5.00E-01	µg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.03	—	—	5.00E-01	µg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.9	—	—	5.00E-01	µg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.7	—	—	3.20E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.7	—	—	3.20E-02	mg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.9	—	—	3.20E-02	mg/L	—	—	09-337	CAMO-09-778	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	137	—	—	1.00E+00	µg/L	—	—	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	µg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.066	—	—	5.00E-02	µg/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	µg/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.052	—	—	5.00E-02	µg/L	J	J	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.076	—	—	5.00E-02	µg/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.133	—	—	5.00E-02	µg/L	J	U	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.067	—	—	5.00E-02	µg/L	J	J	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.51	—	—	1.00E+00	µg/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00E+00	µg/L	J	J	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.53	—	—	1.00E+00	µg/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.62	—	—	1.00E+00	µg/L	J	J	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.8	—	—	3.30E+00	µg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	45.9	—	—	2.00E+00	µg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	2.00E+00	µg/L	—	J	09-866	CAMO-09-2594	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.9	—	—	3.30E+00	µg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31.6	—	—	2.00E+00	µg/L	—	—	09-1743	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	125	—	—	2.00E+00	µg/L	—	—	09-866	CAMO-09-2595	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
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	09/13/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00662	1.36E-03	3.02E-02	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0107	4.13E-03	3.23E-02	—	pCi/L	U	U	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.522	3.53E-01	3.98E+00	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.263	3.20E-01	3.48E+00	—	pCi/L	U	U	145579	GU05090GMC401	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/19/08	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.329	3.83E-01	4.15E+00	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.63	3.33E-01	4.13E+00	—	pCi/L	U	U	145579	GU05090GMC401	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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	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	06/23/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.01	1.16E-01	1.19E+00	—	pCi/L	U	U	139405	GF05050GMC401	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	06/23/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.03	1.15E-01	1.04E+00	—	pCi/L	—	J	139405	GU05050GMC401	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.6	3.57E+01	2.74E+02	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.1	3.31E+01	2.27E+02	—	pCi/L	U	U	145579	GU05090GMC401	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
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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.3	3.10E+00	3.13E+01	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.27	2.05E+00	2.14E+01	—	pCi/L	U	U	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00353	8.33E-04	3.66E-02	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0156	3.32E-03	4.05E-02	—	pCi/L	U	U	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00353	1.86E-03	3.09E-02	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00781	2.44E-03	3.42E-02	—	pCi/L	U	U	145579	GU05090GMC401	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	Potassium-40	<	6.37	3.93E+00	4.60E+01	—	pCi/L	U	U	166310	GF060500GMC401	GELC
MCOI-4	5981	499	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31	3.77E+00	4.97E+01	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21	7.00E+00	2.91E+01	—	pCi/L	U	U	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.301	4.00E-01	4.48E+00	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.00403	3.15E-01	3.54E+00	—	pCi/L	U	U	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0888	1.57E-02	1.69E-01	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0688	1.18E-02	1.28E-01	—	pCi/L	U	U	145579	GU05090GMC401	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6710	2.27E+02	2.00E+02	—	pCi/L	—	—	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7150	2.43E+02	1.70E+02	—	pCi/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	11/18/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8590	2.93E+02	1.70E+02	—	pCi/L	—	—	09-337	CAMO-09-777	GELC
MCOI-4	5981	499	08/19/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8330	2.83E+02	1.30E+02	—	pCi/L	—	—	08-1719	CAMO-08-14496	GELC
MCOI-4	5981	499	05/29/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8460	2.97E+02	4.20E+02	—	pCi/L	—	—	08-1259	CAMO-08-12734	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
MCOI-4	5981	499	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.106	5.43E-03	6.44E-02	—	pCi/L	—	J	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.132	6.33E-03	6.94E-02	—	pCi/L	—	J	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0131	2.62E-03	4.85E-02	—	pCi/L	U	U	145579	GF05090GMC401	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	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0366	3.43E-03	5.23E-02	—	pCi/L	U	U	145579	GU05090GMC401	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	09/13/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0423	3.37E-03	4.56E-02	—	pCi/L	U	U	145579	GF05090GMC401	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-4	5981	499	09/13/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0387	3.53E-03	4.92E-02	—	pCi/L	U	U	145579	GU05090GMC401	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	05/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.6	—	—	2.10E+00	µg/L	U	U	09-1742	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.9	—	—	2.20E+00	µg/L	U	U	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	34.1	—	—	2.50E+00	µg/L	—	J	09-2806	CAMO-09-9527	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	27	—	—	1.10E+00	µg/L	—	J	09-1742	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	24.4	—	—	1.10E+00	µg/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chlorobenzene	—	4.94	—	—	2.50E-01	µg/L	—	—	09-2806	CAMO-09-9529	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	09-1742	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	—	0.27	—	—	2.50E-01	µg/L	J	J	09-2806	CAMO-09-9529	GELC
MCOI-4	5981	499	05/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	09-1742	CAMO-09-8156	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	09-866	CAMO-09-2595	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.5	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.5	—	—	7.30E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.1	—	—	7.30E-01	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.3	—	—	7.30E-01	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.3	—	—	7.30E-01	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.104	—	—	6.60E-02	mg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.137	—	—	6.70E-02	mg/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.088	—	—	6.70E-02	mg/L	J	J	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	3.00E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.8	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	3.00E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	3.00E-02	mg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	3.00E-02	mg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.99	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.39	—	—	6.60E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.21	—	—	6.60E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.25	—	—	6.60E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.89	—	—	6.60E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.386	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.394	—	—	3.30E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.329	—	—	3.30E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.26	—	—	3.30E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	3.50E-01	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.7	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.5	—	—	3.50E-01	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.5	—	—	3.50E-01	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.5	—	—	3.50E-01	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	3.50E-01	mg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E-01	mg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.61	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.99	—	—	8.50E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.61	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.22	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.18	—	—	8.50E-02	mg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.63	—	—	1.00E-01	mg/L	—	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.23	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.24	—	—	1.00E-01	mg/L	—	J+	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.53	—	—	1.00E-01	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.17	—	—	1.00E-01	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	85.6	—	—	1.00E+01	µg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.7	—	—	1.30E+01	µg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	68.7	—	—	1.00E+01	µg/L	—	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.6	—	—	1.30E+01	µg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	88.9	—	—	1.00E+01	µg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.495	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.355	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.355	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.481	—	—	5.00E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.547	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.474	—	—	5.00E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.477	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.379	—	—	5.00E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.491	—	—	5.00E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.569	—	—	5.00E-02	mg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.52	—	—	5.00E-02	mg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	µS/cm	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	µS/cm	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	µS/cm	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.4	—	—	1.00E-01	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.9	—	—	1.00E-01	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.5	—	—	1.00E-01	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40E+00	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.761	—	—	3.30E-01	mg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1718	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.625	—	—	3.30E-01	mg/L	J	J	09-850	CAMO-09-2599	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	11/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.688	—	—	3.30E-01	mg/L	J	J	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.781	—	—	3.30E-01	mg/L	J	J	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.3	—	—	1.00E-02	SU	H	J-	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	µg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.5	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.8	—	—	1.00E+00	µg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	µg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.2	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16	—	—	1.00E+00	µg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	µg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23	—	—	1.00E+01	µg/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23	—	—	1.00E+01	µg/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14	—	—	1.00E+01	µg/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.1	—	—	1.00E+01	µg/L	J	J	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	12.4	—	—	1.00E+01	µg/L	J	J	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	22.3	—	—	1.00E+01	µg/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.9	—	—	1.00E+01	µg/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.8	—	—	1.00E+01	µg/L	J	J	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	12.9	—	—	1.00E+01	µg/L	J	J	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.14	—	—	1.50E+00	µg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.49	—	—	1.50E+00	µg/L	—	—	09-1718	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.49	—	—	1.50E+00	µg/L	—	—	09-1718	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.1	—	—	1.50E+00	µg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.3	—	—	1.50E+00	µg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.6	—	—	1.50E+00	µg/L	J	J	09-262	CAMO-09-897	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.2	—	—	1.50E+00	µg/L	J	J	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	µg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.06	—	—	1.50E+00	µg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.2	—	—	1.50E+00	µg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	61.7	—	—	1.50E+00	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.2	—	—	1.50E+00	µg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	45.5	—	—	2.50E+01	µg/L	J	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.4	—	—	3.00E+01	µg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	68.8	—	—	2.50E+01	µg/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	129	—	—	2.50E+01	µg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	640	—	—	2.50E+01	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	192	—	—	2.50E+01	µg/L	—	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.00E-01	µg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	µg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.00E-01	µg/L	—	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.4	—	—	1.00E-01	µg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	1.00E-01	µg/L	—	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.93	—	—	1.00E-01	µg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.18	—	—	1.00E-01	µg/L	—	—	09-1719	CAMO-09-8163	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	µg/L	—	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.4	—	—	1.00E-01	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.4	—	—	1.00E-01	µg/L	—	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	µg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.636	—	—	5.00E-01	µg/L	J	J	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.636	—	—	5.00E-01	µg/L	J	J	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.84	—	—	5.00E-01	µg/L	J	J	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.42	—	—	5.00E-01	µg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.86	—	—	5.00E-01	µg/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.4	—	—	5.00E-01	µg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	28.1	—	—	5.00E-01	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.1	—	—	5.00E-01	µg/L	—	—	08-1709	CAMO-08-14497	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	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	3.20E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.8	—	—	3.20E-02	mg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.3	—	—	3.20E-02	mg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.5	—	—	3.20E-02	mg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	83.7	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.4	—	—	1.00E+00	µg/L	—	—	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.3	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.6	—	—	1.00E+00	µg/L	—	—	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.8	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.7	—	—	1.00E+00	µg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	µg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.9	—	—	1.00E+00	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00E+00	µg/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.167	—	—	5.00E-02	µg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	5.00E-02	µg/L	J	J	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	5.00E-02	µg/L	J	J	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.14	—	—	5.00E-02	µg/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.13	—	—	5.00E-02	µg/L	J	J	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.079	—	—	5.00E-02	µg/L	J	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.182	—	—	5.00E-02	µg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.153	—	—	5.00E-02	µg/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.11	—	—	5.00E-02	µg/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.13	—	—	5.00E-02	µg/L	J	J	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.12	—	—	5.00E-02	µg/L	J	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.7	—	—	1.00E+00	µg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.66	—	—	1.00E+00	µg/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.66	—	—	1.00E+00	µg/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.6	—	—	1.00E+00	µg/L	J	J	09-850	CAMO-09-2598	GELC
MCOI-5	5721	689	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00E+00	µg/L	J	J	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	J	U	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.73	—	—	1.00E+00	µg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.46	—	—	1.00E+00	µg/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.9	—	—	1.00E+00	µg/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.4	—	—	1.00E+00	µg/L	J	J	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	4.5	—	—	1.00E+00	µg/L	J	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.5	—	—	3.30E+00	µg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.35	—	—	2.00E+00	µg/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.35	—	—	2.00E+00	µg/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	02/09/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.2	—	—	2.00E+00	µg/L	J	J	09-850	CAMO-09-2598	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.5	—	—	2.00E+00	µg/L	J	J	09-262	CAMO-09-781	GELC
MCOI-5	5721	689	08/18/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7	—	—	2.00E+00	µg/L	J	J	08-1709	CAMO-08-14499	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.29	—	—	3.30E+00	µg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.97	—	—	2.00E+00	µg/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.3	—	—	2.00E+00	µg/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.8	—	—	2.00E+00	µg/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.3	—	—	2.00E+00	µg/L	—	—	08-1709	CAMO-08-14497	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	09/09/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00294	3.67E-03	3.78E-02	—	pCi/L	U	U	145267	GF05090GMC501	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
MCOI-5	5721	689	09/09/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0115	1.86E-03	3.83E-02	—	pCi/L	U	U	145267	GU05090GMC501	GELC
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	09/09/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.99	2.90E-01	3.30E+00	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.622	4.27E-01	4.30E+00	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.86	1.18E-01	3.42E+00	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.318	3.67E-01	4.18E+00	—	pCi/L	U	U	145267	GU05090GMC501	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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	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	06/09/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.12	1.45E-01	1.62E+00	—	pCi/L	U	U	138436	GF05050GMC501	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	06/09/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.339	1.42E-01	1.86E+00	—	pCi/L	U	U	138436	GU05050GMC501	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	09/09/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	57.5	2.01E+01	2.19E+02	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	70.8	1.81E+01	2.43E+02	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.91	1.35E+00	1.27E+01	—	pCi/L	U	U	145267	GF05090GMC501	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	08/06/09	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	09/09/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.91	1.66E+00	1.58E+01	—	pCi/L	U	U	145267	GU05090GMC501	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
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	09/09/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00991	3.67E-03	6.86E-02	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00721	4.73E-03	4.99E-02	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0066	4.13E-03	5.79E-02	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0024	2.89E-03	4.21E-02	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	—	47.8	6.60E+00	2.91E+01	—	pCi/L	—	J	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.7	3.50E+00	4.37E+01	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.406	2.77E-01	3.08E+00	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.37	3.80E-01	3.74E+00	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0146	1.80E-02	2.48E-01	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.031	1.77E-02	2.48E-01	—	pCi/L	U	U	145267	GU05090GMC501	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3070	1.10E+02	2.00E+02	—	pCi/L	—	—	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3090	1.10E+02	1.60E+02	—	pCi/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3570	1.30E+02	1.70E+02	—	pCi/L	—	—	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3310	1.17E+02	1.30E+02	—	pCi/L	—	—	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	05/20/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3330	1.17E+02	2.20E+02	—	pCi/L	—	—	08-1193	CAMO-08-12737	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-234	—	0.152	8.33E-03	8.33E-02	—	pCi/L	—	J	166076	GF060500GMC501	GELC
MCOI-5	5721	689	09/09/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.105	6.17E-03	8.24E-02	—	pCi/L	—	J	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.135	6.47E-03	5.89E-02	—	pCi/L	—	J	145267	GU05090GMC501	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
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	09/09/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00334	2.95E-03	6.21E-02	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00716	3.28E-03	4.43E-02	—	pCi/L	U	U	145267	GU05090GMC501	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	09/09/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0324	4.63E-03	5.84E-02	—	pCi/L	U	U	145267	GF05090GMC501	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	09/09/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0734	4.63E-03	4.17E-02	—	pCi/L	—	J	145267	GU05090GMC501	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	6.17	—	—	2.20E+00	µg/L	J	J	09-2806	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	5.82	—	—	1.10E+00	µg/L	J	J	09-1718	CAMO-09-8163	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	5.21	—	—	1.10E+00	µg/L	J	J	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	5.34	—	—	1.10E+00	µg/L	J	J	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	<	5.93	—	—	2.00E+00	µg/L	J	U	08-1709	CAMO-08-14497	GELC
MCOI-5	5721	689	11/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Dioxane[1,4-]	<	50	—	—	1.50E+01	µg/L	U	R	09-262	CAMO-09-782	GELC
MCOI-5	5721	689	08/18/08	WG	UF	CS	—	Voa	SW-846:8260B	Dioxane[1,4-]	<	50	—	—	2.00E+01	µg/L	U	R	08-1709	CAMO-08-14497	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.8	—	—	7.30E-01	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.3	—	—	7.30E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.7	—	—	7.30E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	83.6	—	—	7.30E-01	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.603	—	—	6.60E-02	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.61	—	—	6.60E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.551	—	—	6.60E-02	mg/L	—	J+	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.635	—	—	6.70E-02	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	64.7	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.8	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.5	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.1	—	—	3.00E-02	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	63.7	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	3.00E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	62.8	—	—	3.00E-02	mg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	44.7	—	—	6.60E-01	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	46.7	—	—	6.60E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	45	—	—	3.30E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	41.7	—	—	3.30E-01	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	214	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	215	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9537	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	210	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	12.8	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.7	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.6	—	—	8.50E-02	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	12.8	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.7	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.7	—	—	8.50E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.3	—	—	8.50E-02	mg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.7	—	—	2.50E-01	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	13.6	—	—	2.50E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	15.1	—	—	2.50E-01	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	17	—	—	2.50E-01	mg/L	—	—	09-267	CAMO-09-785	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	104	—	—	1.00E+01	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	95.2	—	—	1.00E+01	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	96.7	—	—	1.30E+01	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	90.9	—	—	1.00E+01	µg/L	—	J	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.816	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.823	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.762	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.826	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.807	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.801	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.754	—	—	5.00E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.794	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	24	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.3	—	—	4.50E-02	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	23.4	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	24.9	—	—	4.50E-02	mg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25	—	—	4.50E-02	mg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	575	—	—	1.00E+00	µS/cm	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	569	—	—	1.00E+00	µS/cm	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	544	—	—	1.00E+00	µS/cm	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	534	—	—	1.00E+00	µS/cm	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	59.5	—	—	1.00E+00	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	63.6	—	—	1.00E+00	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	59.9	—	—	5.00E-01	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	55.4	—	—	5.00E-01	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	453	—	—	2.40E+00	mg/L	—	J	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	458	—	—	2.40E+00	mg/L	—	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	436	—	—	2.40E+00	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	391	—	—	2.40E+00	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.976	—	—	3.30E-01	mg/L	J	J	09-2968	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.785	—	—	3.30E-01	mg/L	J	J	09-1742	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.14	—	—	3.30E-01	mg/L	—	—	09-863	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.23	—	—	1.00E-02	SU	H	J-	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	J-	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.28	—	—	1.00E-02	SU	H	J-	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	43.3	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9536	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	—	Metals	SW-846:6010B	Barium	—	42.2	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.5	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	42.6	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.6	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.2	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.9	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	40.8	—	—	1.50E+01	µg/L	J	J	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.7	—	—	1.50E+01	µg/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.7	—	—	1.00E+01	µg/L	J	J	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	31.3	—	—	1.00E+01	µg/L	J	J	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	39.9	—	—	1.50E+01	µg/L	J	J	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	44.4	—	—	1.50E+01	µg/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.7	—	—	1.00E+01	µg/L	J	J	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.5	—	—	1.00E+01	µg/L	J	J	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	44.3	—	—	2.50E+00	µg/L	—	—	09-2969	CAMO-09-10299	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	44.9	—	—	2.50E+00	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	47.5	—	—	2.50E+00	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	49.7	—	—	3.00E+00	µg/L	—	J	09-1744	CAMO-09-11417	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	41.5	—	—	1.50E+00	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	40.9	—	—	1.50E+00	µg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	48.1	—	—	2.50E+00	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	50	—	—	2.50E+00	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	42.3	—	—	1.50E+00	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	42.9	—	—	1.50E+00	µg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	11.6	—	—	3.00E+00	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	11.3	—	—	3.00E+00	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	11.6	—	—	3.00E+00	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	12	—	—	3.00E+00	µg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	13.1	—	—	3.00E+00	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.9	—	—	3.00E+00	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.1	—	—	3.00E+00	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.2	—	—	3.00E+00	µg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	38.5	—	—	3.00E+01	µg/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	3.45	—	—	2.00E+00	µg/L	J	J	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.07	—	—	2.00E+00	µg/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.1	—	—	2.00E+00	µg/L	J	J	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	3.18	—	—	2.00E+00	µg/L	J	J	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.33	—	—	2.00E+00	µg/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.6	—	—	2.00E+00	µg/L	J	J	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.994	—	—	1.00E-01	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1	—	—	1.00E-01	µg/L	—	U	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.2	—	—	5.00E-01	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.2	—	—	5.00E-01	µg/L	—	—	09-1743	CAMO-09-8167	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.7	—	—	5.00E-01	µg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.6	—	—	5.00E-01	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.06	—	—	5.00E-01	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6	—	—	5.00E-01	µg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	5.30E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	3.20E-02	mg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76	—	—	3.20E-02	mg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	274	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	275	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	276	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	278	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	280	—	—	1.00E+00	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	286	—	—	1.00E+00	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	286	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.13	—	—	5.00E-02	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	5.38	—	—	5.00E-02	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.92	—	—	5.00E-02	µg/L	—	—	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	1.94	—	—	5.00E-02	µg/L	—	U	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.97	—	—	5.00E-02	µg/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.15	—	—	1.00E+00	µg/L	J	J	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.16	—	—	1.00E+00	µg/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.74	—	—	1.00E+00	µg/L	J	J	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.1	—	—	1.00E+00	µg/L	J	J	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	µg/L	J	J	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.31	—	—	1.00E+00	µg/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.38	—	—	1.00E+00	µg/L	J	J	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	µg/L	J	J	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	30.4	—	—	3.30E+00	µg/L	—	—	09-2969	CAMO-09-9536	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.4	—	—	3.30E+00	µg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	30.1	—	—	2.00E+00	µg/L	—	—	09-1743	CAMO-09-8167	GELC
MCOI-6	5731	686	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	33.6	—	—	2.00E+00	µg/L	—	J	09-864	CAMO-09-2602	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	30.2	—	—	3.30E+00	µg/L	—	—	09-2969	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.7	—	—	3.30E+00	µg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.8	—	—	2.00E+00	µg/L	—	—	09-1743	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31.5	—	—	2.00E+00	µg/L	—	J	09-864	CAMO-09-2600	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	06/29/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00413	3.77E-03	3.56E-02	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.000582	5.67E-04	3.20E-02	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0113	9.57E-03	4.66E-02	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.72	4.90E-01	3.09E+00	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.39	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2970	CAMO-09-9537	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
MCOI-6	5731	686	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.77	7.00E-01	3.31E+00	—	pCi/L	UI	R	166358	GU060500GMC601	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.01	3.08E-01	3.66E+00	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-1.19	5.00E-01	4.10E+00	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.51	3.19E-01	3.99E+00	—	pCi/L	U	U	166358	GU060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	-0.139	1.53E-01	2.00E+00	—	pCi/L	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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	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	09/01/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	14.7	5.90E-01	4.94E+00	—	pCi/L	—	J	144745	GF05090GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	3.64	2.87E-01	1.90E+00	—	pCi/L	—	—	09-2970	CAMO-09-9537	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	09/01/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	10.2	5.07E-01	4.61E+00	—	pCi/L	—	J	144745	GU05090GMC601	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	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	88.7	5.07E+01	3.37E+02	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	73.6	1.20E+01	1.20E+02	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80.4	2.70E+01	3.29E+02	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.31	3.24E+00	2.30E+01	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	17.5	3.67E+00	3.70E+01	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.18	2.51E+00	2.65E+01	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00546	1.29E-03	3.27E-02	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-2.06E-10	8.00E-04	3.00E-02	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00954	3.18E-03	3.82E-02	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00546	1.82E-03	3.59E-02	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.0069	1.40E-03	3.40E-02	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0254	3.02E-03	4.19E-02	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	12.9	3.67E+00	4.33E+01	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-16.7	6.00E+00	6.10E+01	—	pCi/L	U	U	09-2970	CAMO-09-9537	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	41.9	3.53E+00	4.76E+01	—	pCi/L	U	U	166358	GU060500GMC601	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
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	06/29/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0107	2.77E-01	3.17E+00	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.829	4.00E-01	3.50E+00	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.2	3.16E-01	2.78E+00	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.292	2.53E-02	5.02E-01	—	pCi/L	U	J, U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.107	2.33E-02	2.30E-01	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0659	2.59E-02	4.17E-01	—	pCi/L	U	U, J-	166358	GU060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Thorium-228	<	-0.0244	3.67E-03	1.40E-01	—	pCi/L	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0384	9.67E-03	4.10E-01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Thorium-230	<	-0.00514	2.33E-03	1.50E-01	—	pCi/L	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	-0.0246	8.33E-03	4.40E-01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Thorium-232	<	-0.00522	1.33E-03	5.00E-02	—	pCi/L	U	U	09-2970	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.0225	6.00E-03	1.50E-01	—	pCi/L	U	U	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	8150	2.77E+02	2.30E+02	—	pCi/L	—	—	09-2970	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8420	2.87E+02	2.30E+02	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	9520	3.23E+02	1.60E+02	—	pCi/L	—	—	09-864	CAMO-09-2600	GELC
MCOI-6	5731	686	11/10/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	10200	3.33E+02	1.70E+02	—	pCi/L	—	—	09-267	CAMO-09-784	GELC
MCOI-6	5731	686	08/12/08	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	10700	3.67E+02	1.30E+02	—	pCi/L	—	—	08-1657	CAMO-08-14500	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	06/29/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.297	1.14E-02	8.54E-02	—	pCi/L	—	—	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.814	2.70E-02	1.20E-01	—	pCi/L	—	—	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.351	1.43E-02	1.13E-01	—	pCi/L	—	—	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00662	2.21E-03	4.14E-02	—	pCi/L	U	U	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0168	4.00E-03	6.20E-02	—	pCi/L	U	U	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-1.04E-09	2.92E-03	5.48E-02	—	pCi/L	U	U	166358	GU060500GMC601	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	06/29/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.171	7.90E-03	4.79E-02	—	pCi/L	—	—	166358	GF060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.318	1.40E-02	6.20E-02	—	pCi/L	—	—	09-2970	CAMO-09-9537	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	06/29/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.078	7.27E-03	6.34E-02	—	pCi/L	—	J	166358	GU060500GMC601	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Dioxane[1,4-]	—	11	—	—	2.00E+00	µg/L	—	J	09-2968	CAMO-09-9537	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	10.9	—	—	2.00E+00	µg/L	—	J	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	20.2	—	—	1.10E+00	µg/L	—	J	09-1742	CAMO-09-8169	GELC
MCOI-6	5731	686	02/10/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	20.7	—	—	1.10E+00	µg/L	—	—	09-863	CAMO-09-2600	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000814	—	—	8.14E-06	µg/L	J	J	09-2922	CAMO-09-9456	ALTC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.00000436	—	—	4.36E-06	µg/L	J	J	29404	AU070800P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	03/02/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000127	—	—	1.27E-05	µg/L	J	J	28771	AU070200P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	10/27/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000419	—	—	—	µg/L	—	U	G341-270	GU060900P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000383	—	—	—	µg/L	—	U	G341-246	GU060600P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000166	—	—	1.66E-05	µg/L	—	—	09-2922	CAMO-09-9456	ALTC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00001	—	—	1.00E-05	µg/L	—	J	29404	AU070800P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	03/02/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000267	—	—	2.67E-05	µg/L	—	J	28771	AU070200P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	10/27/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000419	—	—	—	µg/L	—	—	G341-270	GU060900P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000383	—	—	—	µg/L	—	—	G341-246	GU060600P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.0000016	—	—	1.60E-06	µg/L	—	—	09-2922	CAMO-09-9456	ALTC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000123	—	—	1.23E-06	µg/L	U	UJ	29404	AU070800P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	03/02/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.00000112	—	—	1.12E-06	µg/L	U	UJ	28771	AU070200P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	10/27/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	—	0.000000369	—	—	—	µg/L	—	—	G341-270	GU060900P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzofurans (Total)	<	0.0000027	—	—	—	µg/L	U	—	G341-246	GU060600P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000792	—	—	7.92E-05	µg/L	—	—	09-2922	CAMO-09-9456	ALTC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000361	—	—	3.61E-05	µg/L	BJ	J	29404	AU070800P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	03/02/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000152	—	—	1.52E-04	µg/L	B	J	28771	AU070200P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	10/27/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000292	—	—	—	µg/L	—	U	G341-270	GU060900P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000333	—	—	—	µg/L	—	U	G341-246	GU060600P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	—	0.00000519	—	—	5.19E-06	µg/L	J	J	09-2922	CAMO-09-9456	ALTC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000561	—	—	5.61E-06	µg/L	U	UJ	29404	AU070800P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	03/02/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000528	—	—	5.28E-06	µg/L	U	R	28771	AU070200P20001	ALTC
Mortandad below Effluent Canyon	n/a	n/a	10/27/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000124	—	—	—	µg/L	—	R, U	G341-270	GU060900P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	<	0.00000324	—	—	—	µg/L	—	U	G341-246	GU060600P20001	SGSW
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.7	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.1	—	—	7.30E-01	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	7.30E-01	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	110	—	—	7.30E-01	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.087	—	—	3.00E-02	mg/L	—	J-	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.5	—	—	3.00E-01	mg/L	U	U	08-674	CAMO-08-10876	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	3.00E-02	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.9	—	—	3.00E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14	—	—	3.00E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	3.00E-02	mg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	3.00E-02	mg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	3.00E-02	mg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	27.1	—	—	1.30E-01	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	132	—	—	6.60E-01	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.1	—	—	1.30E-01	mg/L	—	J+	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	48.5	—	—	3.30E-01	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.295	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.292	—	—	3.30E-02	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.263	—	—	3.30E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.475	—	—	3.30E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.4	—	—	3.50E-01	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	3.50E-01	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	3.50E-01	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.4	—	—	3.50E-01	mg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	3.50E-01	mg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	3.50E-01	mg/L	—	—	08-1731	CAMO-08-14433	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.26	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	8.50E-02	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.22	—	—	8.50E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.56	—	—	8.50E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.27	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.3	—	—	8.50E-02	mg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.61	—	—	8.50E-02	mg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.11	—	—	1.00E-01	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.49	—	—	1.00E-01	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.01	—	—	5.00E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.229	—	—	5.00E-02	mg/L	J	J	08-674	CAMO-08-10876	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.106	—	—	5.00E-02	µg/L	J	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.162	—	—	5.00E-02	µg/L	J	J	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.258	—	—	5.00E-02	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.413	—	—	5.00E-02	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.14	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.25	—	—	5.00E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.7	—	—	5.00E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	8.08	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.38	—	—	5.00E-02	mg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.6	—	—	5.00E-02	mg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	42	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	118	—	—	4.50E-02	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.7	—	—	4.50E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	75.6	—	—	4.50E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	41.9	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	117	—	—	4.50E-02	mg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	4.50E-02	mg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	71.5	—	—	4.50E-02	mg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	324	—	—	1.00E+00	µS/cm	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	725	—	—	1.00E+00	µS/cm	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	382	—	—	1.00E+00	µS/cm	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	460	—	—	1.00E+00	µS/cm	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.64	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	21.3	—	—	1.00E-01	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.1	—	—	1.00E-01	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.3	—	—	1.00E-01	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.4	—	—	1.10E+00	mg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	1.2	—	—	1.10E+00	mg/L	J	J	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	4.8	—	—	2.30E+00	mg/L	J	J	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	08-674	CAMO-08-10875	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	247	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	412	—	—	2.40E+00	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	240	—	—	2.40E+00	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	300	—	—	2.40E+00	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.92	—	—	3.30E-02	mg/L	—	J-	09-2923	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.602	—	—	2.90E-02	mg/L	—	J	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1730	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.602	—	—	2.90E-02	mg/L	—	—	08-674	CAMO-08-10875	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.22	—	—	3.30E-01	mg/L	—	—	09-2923	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.94	—	—	3.30E-01	mg/L	—	—	09-893	CAMO-09-2375	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.24	—	—	3.30E-01	mg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.18	—	—	6.60E-01	mg/L	—	—	08-1730	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.164	—	—	1.50E-02	mg/L	—	J-	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.084	—	—	2.40E-02	mg/L	—	U	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.147	—	—	2.40E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.175	—	—	2.40E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.053	—	—	2.40E-02	mg/L	—	—	08-674	CAMO-08-10876	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.41	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.42	—	—	1.00E-02	SU	H	J-	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.6	—	—	1.00E-02	SU	H	J-	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	749	—	—	6.80E+01	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	419	—	—	6.80E+01	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	204	—	—	6.80E+01	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	4350	—	—	6.80E+01	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	536	—	—	6.80E+01	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	859	—	—	6.80E+01	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	610	—	—	6.80E+01	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	16200	—	—	6.80E+01	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.76	—	—	1.50E+00	µg/L	J	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.85	—	—	1.50E+00	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	µg/L	J	J	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	31.9	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	44.2	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	31.4	—	—	1.00E+00	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	40.5	—	—	1.00E+00	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	37	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.4	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.6	—	—	1.00E+00	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	69.4	—	—	1.00E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.50E+01	µg/L	J	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	48.2	—	—	1.00E+01	µg/L	J	U	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	38.7	—	—	1.00E+01	µg/L	J	J	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	64	—	—	1.00E+01	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	41	—	—	1.50E+01	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	45.9	—	—	1.00E+01	µg/L	J	U	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.8	—	—	1.00E+01	µg/L	J	J	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	71.2	—	—	1.00E+01	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.17	—	—	2.50E+00	µg/L	J	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	5	—	—	1.50E+00	µg/L	—	U	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.7	—	—	1.50E+00	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	6.8	—	—	1.50E+00	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.57	—	—	2.50E+00	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	5.1	—	—	1.50E+00	µg/L	—	U	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.7	—	—	1.50E+00	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.3	—	—	1.50E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.56	—	—	3.00E+00	µg/L	J	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	7.4	—	—	3.00E+00	µg/L	J	J	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	9.7	—	—	3.00E+00	µg/L	J	J	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5	—	—	3.00E+00	µg/L	J	J	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.91	—	—	3.00E+00	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.8	—	—	3.00E+00	µg/L	J	J	09-893	CAMO-09-2375	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.1	—	—	3.00E+00	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.7	—	—	3.00E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	422	—	—	3.00E+01	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	227	—	—	2.50E+01	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	123	—	—	2.50E+01	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	2350	—	—	2.50E+01	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	400	—	—	3.00E+01	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	503	—	—	2.50E+01	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	375	—	—	2.50E+01	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	8580	—	—	2.50E+01	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	1.2	—	—	5.00E-01	µg/L	J	J	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.27	—	—	5.00E-01	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.98	—	—	5.00E-01	µg/L	J	J	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	5.9	—	—	5.00E-01	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	10.1	—	—	2.00E+00	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.3	—	—	2.00E+00	µg/L	J	J	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	µg/L	J	J	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	13.7	—	—	2.00E+00	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	20.1	—	—	2.00E+00	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.7	—	—	2.00E+00	µg/L	J	J	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.9	—	—	2.00E+00	µg/L	J	J	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	63.8	—	—	2.00E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	40.8	—	—	1.00E-01	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	26.9	—	—	1.00E-01	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	21	—	—	1.00E-01	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	42.9	—	—	1.00E-01	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	38.4	—	—	1.00E-01	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	26.4	—	—	1.00E-01	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	21.4	—	—	1.00E-01	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	44.7	—	—	1.00E-01	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.55	—	—	5.00E-01	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	8.5	—	—	5.00E-01	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	8	—	—	5.00E-01	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.1	—	—	5.00E-01	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.62	—	—	5.00E-01	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.7	—	—	5.00E-01	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.4	—	—	5.00E-01	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.1	—	—	5.00E-01	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	23.3	—	—	3.20E-02	mg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	23.4	—	—	3.20E-02	mg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.4	—	—	3.20E-02	mg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.6	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.9	—	—	1.00E+00	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	78.5	—	—	1.00E+00	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.6	—	—	1.00E+00	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.6	—	—	1.00E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.145	—	—	5.00E-02	µg/L	J	J	09-2924	CAMO-09-9457	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.63	—	—	5.00E-02	µg/L	—	—	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	µg/L	—	—	08-1731	CAMO-08-14434	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.218	—	—	5.00E-02	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	µg/L	—	—	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.74	—	—	5.00E-02	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.69	—	—	1.00E+00	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.5	—	—	1.00E+00	µg/L	J	U	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	µg/L	U	U	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.8	—	—	1.00E+00	µg/L	J	J	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.97	—	—	1.00E+00	µg/L	J	J	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	1.4	—	—	1.00E+00	µg/L	J	U	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.1	—	—	1.00E+00	µg/L	J	J	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.7	—	—	1.00E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	3.30E+00	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.6	—	—	2.00E+00	µg/L	J	J	09-893	CAMO-09-2374	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.7	—	—	2.00E+00	µg/L	J	J	09-338	CAMO-09-715	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	17.5	—	—	2.00E+00	µg/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.8	—	—	3.30E+00	µg/L	—	—	09-2924	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.8	—	—	2.00E+00	µg/L	J	J	09-893	CAMO-09-2375	GELC
Mortandad below Effluent Canyon	n/a	n/a	11/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	2.00E+00	µg/L	—	—	09-338	CAMO-09-716	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	50.6	—	—	2.00E+00	µg/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	HASL-300	Americium-241	—	1.72	4.33E-02	5.30E-02	—	pCi/L	—	J+	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	HASL-300	Americium-241	—	0.545	1.54E-02	4.13E-02	—	pCi/L	—	—	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	HASL-300	Americium-241	—	0.804	2.00E-02	2.71E-02	—	pCi/L	—	—	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Americium-241	—	1.62	3.73E-02	3.90E-02	—	pCi/L	—	—	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	—	2.66	5.67E-02	3.20E-02	—	pCi/L	—	J-	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	—	5.57	1.03E-01	2.60E-02	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Americium-241	<	4.18	2.27E+00	2.00E+01	—	pCi/L	U	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	HASL-300	Americium-241	—	1.68	3.50E-02	3.46E-02	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	HASL-300	Americium-241	—	1.38	2.84E-02	2.52E-02	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	—	2.85	5.20E-02	3.50E-02	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	—	23.9	9.67E-01	3.90E+00	—	pCi/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	<	10.7	1.14E+00	5.10E+00	—	pCi/L	UI	R	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	—	9.62	5.20E-01	3.28E+00	—	pCi/L	—	J	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	—	9.67	5.93E-01	3.47E+00	—	pCi/L	—	J	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	57.6	1.23E+00	4.00E+00	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	89	1.70E+00	3.30E+00	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	19.9	1.10E+00	5.25E+00	—	pCi/L	UI	R	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	23.2	5.37E-01	2.87E+00	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	—	17.1	6.37E-01	3.05E+00	—	pCi/L	—	—	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.58	3.17E-01	3.80E+00	—	pCi/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.17	5.47E-01	6.44E+00	—	pCi/L	U	U	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.216	2.66E-01	3.04E+00	—	pCi/L	U	U	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0485	3.63E-01	3.49E+00	—	pCi/L	U	U	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.792	5.00E-01	4.60E+00	—	pCi/L	U	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.69	4.00E-01	4.50E+00	—	pCi/L	U	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.194	4.97E-01	4.87E+00	—	pCi/L	U	U	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0685	2.61E-01	2.88E+00	—	pCi/L	U	U	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.205	3.02E-01	3.49E+00	—	pCi/L	U	U	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	10.7	6.00E-01	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:900	Gross beta	—	31.7	1.18E+00	4.25E+00	—	pCi/L	—	—	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:900	Gross beta	—	49.8	1.00E+00	5.09E+00	—	pCi/L	—	—	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	28.8	8.07E-01	2.39E+00	—	pCi/L	—	—	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	62.9	1.97E+00	2.00E+00	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	36.9	1.34E+00	4.62E+00	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	57	1.23E+00	6.76E+00	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	30	4.70E-01	2.40E+00	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/09/04	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	28.6	3.83E-01	1.77E+00	—	pCi/L	—	—	114786	GU04060W20001	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	31.9	7.33E+00	5.30E+01	—	pCi/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	101	3.67E+01	3.06E+02	—	pCi/L	U	U	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	97.7	2.96E+01	3.37E+02	—	pCi/L	U	U	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	325	7.87E+01	6.49E+02	—	pCi/L	U	U	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	71.6	1.47E+01	7.00E+01	—	pCi/L	—	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	86.9	1.03E+01	3.00E+01	—	pCi/L	—	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	101	3.50E+01	2.16E+02	—	pCi/L	U	U	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	94	2.93E+01	3.09E+02	—	pCi/L	U	U	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	102	3.22E+01	3.20E+02	—	pCi/L	U	U	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.7	3.27E+00	2.90E+01	—	pCi/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-23	4.53E+00	3.93E+01	—	pCi/L	U	U	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.42	3.19E+00	2.47E+01	—	pCi/L	U	U	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.17	2.39E+00	2.48E+01	—	pCi/L	U	U	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-23.8	3.67E+00	3.30E+01	—	pCi/L	U	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.12	3.27E+00	3.10E+01	—	pCi/L	U	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.501	4.00E+00	3.89E+01	—	pCi/L	U	U	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.63	2.11E+00	2.13E+01	—	pCi/L	U	U	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.45	2.28E+00	2.46E+01	—	pCi/L	U	U	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.738	1.73E-02	2.70E-02	—	pCi/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.212	7.40E-03	3.23E-02	—	pCi/L	—	—	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.431	1.10E-02	1.74E-02	—	pCi/L	—	—	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.441	1.11E-02	3.90E-02	—	pCi/L	—	—	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	2.02	3.67E-02	3.10E-02	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	2.44	4.33E-02	2.70E-02	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	—	1.04	2.04E-02	3.04E-02	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	—	1.33	2.34E-02	1.92E-02	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	1.41	3.07E-02	5.10E-02	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	1.27	2.53E-02	3.40E-02	—	pCi/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.36	9.80E-03	2.96E-02	—	pCi/L	—	—	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.428	1.06E-02	2.03E-02	—	pCi/L	—	—	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.759	1.55E-02	3.30E-02	—	pCi/L	—	—	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	3.26	6.00E-02	3.40E-02	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	4.12	6.67E-02	3.30E-02	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	1.65	2.95E-02	2.79E-02	—	pCi/L	—	J	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	1.2	2.16E-02	2.24E-02	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	2.14	4.27E-02	4.30E-02	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	17.8	6.00E+00	3.10E+01	—	pCi/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	<	32.2	7.67E+00	8.24E+01	—	pCi/L	U	U	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	<	22.3	3.31E+00	4.09E+01	—	pCi/L	U	U	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	16	4.60E+00	3.61E+01	—	pCi/L	U	U	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.94	8.33E+00	3.60E+01	—	pCi/L	U	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.91	5.00E+00	5.10E+01	—	pCi/L	U	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	42.7	9.57E+00	4.50E+01	—	pCi/L	U	U	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	22.8	3.33E+00	3.99E+01	—	pCi/L	U	U	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.83	4.13E+00	4.14E+01	—	pCi/L	U	U	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0898	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.73	4.80E-01	5.37E+00	—	pCi/L	U	U	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.403	2.84E-01	3.05E+00	—	pCi/L	U	U	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	3.20E-01	3.84E+00	—	pCi/L	U	U	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.471	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.975	4.00E-01	3.40E+00	—	pCi/L	U	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.16	5.10E-01	4.69E+00	—	pCi/L	U	U	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.202	2.67E-01	2.87E+00	—	pCi/L	U	U	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0319	3.21E-01	3.63E+00	—	pCi/L	U	U	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	6	1.93E-01	3.80E-01	—	pCi/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	—	4.24	1.40E-01	3.84E-01	—	pCi/L	—	—	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	—	13	1.54E-01	4.07E-01	—	pCi/L	—	—	166312	GF060600P20001	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	3.2	4.87E-02	2.87E-01	—	pCi/L	—	—	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	6.66	2.23E-01	4.20E-01	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	6.36	2.10E-01	6.20E-01	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	5.7	1.73E-01	3.85E-01	—	pCi/L	—	J	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	12.2	1.46E-01	4.02E-01	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	3.42	4.27E-02	1.29E-01	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	—	0.211	9.67E-03	1.20E-01	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/09/04	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	—	0.128	6.30E-03	7.80E-02	—	pCi/L	—	J	114786	GU04060W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	07/30/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	0.00825	4.80E-03	6.60E-02	—	pCi/L	U	U	85244	GU03070W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	05/28/02	WS	UF	CS	—	Rad	Alpha Spec	Thorium-228	—	0.041	4.20E-03	3.25E-02	—	pCi/L	—	—	61202	GU02050W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0782	5.67E-03	1.30E-01	—	pCi/L	U	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/09/04	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0619	4.60E-03	1.45E-01	—	pCi/L	U	U	114786	GU04060W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	07/30/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.0851	4.73E-03	1.03E-01	—	pCi/L	U	U	85244	GU03070W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	05/28/02	WS	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	0.072	4.77E-03	2.62E-02	—	pCi/L	X	—	61202	GU02050W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	—	0.172	8.00E-03	4.40E-02	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/09/04	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	—	0.108	5.33E-03	3.60E-02	—	pCi/L	—	J	114786	GU04060W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	07/30/03	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.00929	1.84E-03	3.00E-02	—	pCi/L	U	U	85244	GU03070W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	05/28/02	WS	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.002	2.00E-03	2.40E-02	—	pCi/L	U	—	61202	GU02050W20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:906.0	Tritium	—	2870	1.07E+02	2.30E+02	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	EPA:906.0	Tritium	—	1880	6.67E+01	1.90E+02	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	EPA:906.0	Tritium	—	2380	8.20E+01	1.37E+02	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	03/02/07	WS	UF	CS	—	Rad	EPA:906.0	Tritium	—	189	1.55E+01	1.36E+02	—	pCi/L	—	J	181873	GU070200P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	EPA:906.0	Tritium	—	2360	3.07E+01	1.74E+02	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.202	7.33E-03	5.70E-02	—	pCi/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	HASL-300	Uranium-234	—	0.326	1.36E-02	5.07E-02	—	pCi/L	—	—	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	HASL-300	Uranium-234	—	0.646	2.02E-02	5.94E-02	—	pCi/L	—	—	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.177	8.17E-03	8.30E-02	—	pCi/L	—	J	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.191	9.33E-03	1.10E-01	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.399	1.20E-02	6.30E-02	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.339	1.31E-02	4.33E-02	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.804	2.28E-02	5.90E-02	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.263	1.04E-02	8.70E-02	—	pCi/L	—	J	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0287	2.60E-03	3.00E-02	—	pCi/L	U	U	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00496	2.65E-03	4.33E-02	—	pCi/L	U	U	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	5.40E-03	5.01E-02	—	pCi/L	U	U	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0246	3.53E-03	5.10E-02	—	pCi/L	U	U	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0231	3.20E-03	5.50E-02	—	pCi/L	U	U	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0271	3.23E-03	3.30E-02	—	pCi/L	U	U	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.03	3.80E-03	3.70E-02	—	pCi/L	U	U	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.035	4.43E-03	4.98E-02	—	pCi/L	U	U	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0373	4.20E-03	5.30E-02	—	pCi/L	U	U	135660	GU05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.156	6.33E-03	3.00E-02	—	pCi/L	—	—	08-1731	CAMO-08-14434	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	F	CS	—	Rad	HASL-300	Uranium-238	—	0.12	7.77E-03	6.77E-02	—	pCi/L	—	J	192303	GF070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	F	CS	—	Rad	HASL-300	Uranium-238	—	0.31	1.22E-02	6.31E-02	—	pCi/L	—	—	166312	GF060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0762	5.57E-03	5.90E-02	—	pCi/L	—	J	135660	GF05040P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.153	8.00E-03	5.40E-02	—	pCi/L	—	—	09-2925	CAMO-09-9456	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.233	8.67E-03	3.30E-02	—	pCi/L	—	—	08-1731	CAMO-08-14433	GELC
Mortandad below Effluent Canyon	n/a	n/a	08/22/07	WP	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.189	9.23E-03	5.78E-02	—	pCi/L	—	—	192303	GU070800P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	06/28/06	WP	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.311	1.17E-02	6.28E-02	—	pCi/L	—	—	166312	GU060600P20001	GELC
Mortandad below Effluent Canyon	n/a	n/a	04/29/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.137	7.23E-03	6.20E-02	—	pCi/L	—	J	135660	GU05040P20001	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.6	—	—	7.30E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.7	—	—	7.30E-01	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.5	—	—	7.30E-01	mg/L	—	—	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	3.00E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	3.00E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.8	—	—	6.60E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.87	—	—	6.60E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.83	—	—	6.60E-02	mg/L	—	—	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00402	—	—	1.70E-03	mg/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/20/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	08-1196	CAMO-08-12744	GELC
R-1	1701	1031.1	02/22/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	08-685	CAMO-08-10452	GELC
R-1	1701	1031.1	11/09/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	08-145	CASA-08-8065	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	191539	GU070800G01R01	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	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.205	—	—	3.30E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.325	—	—	3.30E-02	mg/L	—	U	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.164	—	—	3.30E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.196	—	—	3.30E-02	mg/L	—	J-	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.1	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.1	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	3.50E-01	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.9	—	—	3.50E-01	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.8	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	3.50E-01	mg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.4	—	—	3.50E-01	mg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	8.50E-02	mg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.416	—	—	5.00E-02	mg/L	—	J	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.401	—	—	5.00E-02	mg/L	—	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.294	—	—	5.00E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.362	—	—	5.00E-02	mg/L	—	J+	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.402	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.354	—	—	5.00E-02	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.305	—	—	5.00E-02	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.348	—	—	5.00E-02	µg/L	—	J	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.332	—	—	5.00E-02	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.305	—	—	5.00E-02	µg/L	—	—	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.86	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.64	—	—	5.00E-02	mg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	µS/cm	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	µS/cm	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.37	—	—	1.00E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.39	—	—	1.00E-01	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.52	—	—	1.00E-01	mg/L	—	J	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.66	—	—	1.00E-01	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.48	—	—	1.00E-01	mg/L	—	J-	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	114	—	—	2.40E+00	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	J	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.993	—	—	3.30E-01	mg/L	J	J	09-2877	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.533	—	—	3.30E-01	mg/L	J	J	08-1696	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.074	—	—	1.50E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.029	—	—	1.50E-02	mg/L	J	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.106	—	—	2.40E-02	mg/L	—	U	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.079	—	—	2.40E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.068	—	—	2.40E-02	mg/L	—	U	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.5	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.6	—	—	1.00E+00	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.9	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.6	—	—	1.00E+00	µg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.52	—	—	2.50E+00	µg/L	J	J	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.63	—	—	1.50E+00	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	1.50E+00	µg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	µg/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.66	—	—	1.50E+00	µg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	1.50E+00	µg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	1.50E+00	µg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.3	—	—	1.00E-01	µg/L	—	U	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	µg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	µg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	µg/L	—	—	09-920	CAMO-09-2607	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	1.00E-01	µg/L	—	U	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.26	—	—	5.00E-01	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	7.35	—	—	5.00E-01	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.7	—	—	5.00E-01	µg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.3	—	—	5.00E-01	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.1	—	—	5.00E-01	µg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.27	—	—	5.00E-01	µg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.1	—	—	5.00E-01	µg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.2	—	—	5.00E-01	µg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	3.20E-02	mg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	3.20E-02	mg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.5	—	—	3.20E-02	mg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72	—	—	3.20E-02	mg/L	—	—	08-1698	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	5.00E+00	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.8	—	—	1.00E+00	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	5.00E+00	µg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.2	—	—	1.00E+00	µg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.973	—	—	5.00E-02	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	µg/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.78	—	—	5.00E-02	µg/L	—	—	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	µg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.874	—	—	5.00E-02	µg/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.8	—	—	5.00E-02	µg/L	—	—	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	µg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.14	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.91	—	—	1.00E+00	µg/L	—	J	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.1	—	—	1.00E+00	µg/L	—	J	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.3	—	—	1.00E+00	µg/L	—	—	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.84	—	—	1.00E+00	µg/L	—	J	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.2	—	—	1.00E+00	µg/L	—	J	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.3	—	—	1.00E+00	µg/L	—	—	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.38	—	—	2.00E+00	µg/L	J	U	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3	—	—	2.00E+00	µg/L	J	J	09-920	CAMO-09-2606	GELC
R-1	1701	1031.1	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.9	—	—	2.00E+00	µg/L	J	J	09-337	CAMO-09-790	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	3.30E+00	µg/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	7.14	—	—	2.00E+00	µg/L	J	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	2.00E+00	µg/L	J	J	09-920	CAMO-09-2607	GELC
R-1	1701	1031.1	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.6	—	—	2.00E+00	µg/L	J	J	09-337	CAMO-09-789	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00652	3.17E-03	3.00E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00412	1.72E-03	3.09E-02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00978	3.83E-03	2.65E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	2.93E-03	3.30E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000048	4.67E-03	3.10E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.98E-03	3.32E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00944	3.37E-03	2.27E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00135	9.83E-04	2.73E-02	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.542	6.67E-01	6.50E+00	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.297	4.03E-01	3.97E+00	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	8.9	2.08E+00	4.74E+00	—	pCi/L	U	R	166714	GF060500G01R01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.43	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.38	6.07E-01	5.14E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.5	3.57E-01	4.24E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.53	3.40E-01	3.65E+00	—	pCi/L	U	U	154721	GU06010G01R01	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	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.93	8.93E-01	6.54E+00	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.239	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.71	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.35	5.83E-01	5.95E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.33	6.10E-01	5.34E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.09	3.67E-01	4.40E+00	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	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	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	09/12/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.63	2.44E-01	2.57E+00	—	pCi/L	—	J	145457	GF050800G01R01	GELC
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	09/12/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.75	2.37E-01	2.43E+00	—	pCi/L	—	J	145457	GU050800G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	33.1	4.00E+01	8.60E+01	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	162	2.79E+01	3.81E+02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	99.8	3.47E+01	2.52E+02	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.8	1.60E+01	6.00E+01	—	pCi/L	—	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.6	6.33E+00	2.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	141	3.57E+01	3.45E+02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80.6	3.70E+01	2.75E+02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	121	2.80E+01	3.96E+02	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.8	4.67E+00	4.50E+01	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	15	4.73E+00	2.80E+01	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.91	3.37E+00	3.51E+01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.5	5.00E+00	3.30E+01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.92	4.33E+00	3.50E+01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.53	2.78E+00	2.50E+01	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.01	2.83E+00	3.06E+01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.177	2.51E+00	2.59E+01	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00757	2.10E-03	2.10E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.97E-03	3.58E-02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0405	5.63E-03	3.00E-02	—	pCi/L	U	R	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0152	2.60E-03	3.50E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00159	2.07E-03	2.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00165	9.53E-04	3.17E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00289	3.97E-03	2.78E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00936	3.50E-03	2.81E-02	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00303	1.77E-03	2.60E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0056	1.39E-03	3.29E-02	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0436	5.33E-03	3.49E-02	—	pCi/L	U	R	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0108	2.17E-03	4.20E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00318	1.50E-03	2.70E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00989	1.35E-03	2.90E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	3.87E-03	3.24E-02	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	3.12E-03	3.08E-02	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	45.3	1.00E+01	6.30E+01	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.02	5.50E+00	4.84E+01	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	50.4	6.00E+00	8.23E+01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	46.9	8.67E+00	4.50E+01	—	pCi/L	UI	R	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	69.3	7.90E+00	4.38E+01	—	pCi/L	UI	R	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	4.93E+00	4.42E+01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	23.7	3.90E+00	4.86E+01	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0738	2.97E-02	4.00E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.13	9.67E-02	5.80E-01	—	pCi/L	—	—	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	02/22/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.185	5.67E-02	6.00E-01	—	pCi/L	U	U	08-685	CAMO-08-10452	GELC
R-1	1701	1031.1	11/09/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.129	3.33E-02	3.50E-01	—	pCi/L	U	U	08-145	CASA-08-8065	GELC
R-1	1701	1031.1	11/28/05	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	4.56	1.05E+00	5.13E+00	—	pCi/L	U	U	150955	GU05110G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.879	8.67E-02	6.40E-01	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.42	5.33E-02	4.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	02/22/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.804	8.00E-02	5.90E-01	—	pCi/L	—	—	08-685	CAMO-08-10452	GELC
R-1	1701	1031.1	11/09/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.349	5.00E-02	4.40E-01	—	pCi/L	U	U	08-145	CASA-08-8065	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.29	6.33E-01	5.30E+00	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.587	4.30E-01	4.07E+00	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.37	5.17E-01	5.07E+00	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.951	5.00E-01	4.80E+00	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.369	4.33E-01	4.30E+00	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.661	5.23E-01	4.89E+00	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.202	3.97E-01	4.59E+00	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.193	3.70E-01	4.20E+00	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.49	5.00E-02	4.30E-01	—	pCi/L	—	—	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.456	1.95E-02	3.67E-01	—	pCi/L	U	U	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0462	3.26E-02	4.80E-01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.155	3.67E-02	4.00E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.253	3.67E-02	3.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.24	2.55E-02	3.60E-01	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0595	2.06E-02	2.57E-01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0673	2.42E-02	3.24E-01	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0141	3.17E-03	1.20E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0117	2.93E-03	1.30E-01	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.00249	1.43E-03	4.40E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.633	1.57E-02	5.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.659	2.24E-02	5.22E-02	—	pCi/L	—	—	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.41	2.54E-02	1.78E-01	—	pCi/L	—	J	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.747	2.23E-02	9.20E-02	—	pCi/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.698	1.97E-02	8.40E-02	—	pCi/L	—	—	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.67	2.24E-02	4.89E-02	—	pCi/L	—	—	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.554	3.04E-02	2.22E-01	—	pCi/L	—	J	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.611	1.77E-02	7.64E-02	—	pCi/L	—	—	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0261	2.37E-03	2.80E-02	—	pCi/L	U	U	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.049	5.60E-03	4.46E-02	—	pCi/L	—	J	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0423	1.00E-02	1.50E-01	—	pCi/L	U	U	166714	GF060500G01R01	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00597	2.83E-03	4.50E-02	—	pCi/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00604	2.03E-03	4.50E-02	—	pCi/L	U	U	08-1699	CAMO-08-14505	GELC
R-1	1701	1031.1	08/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0266	4.07E-03	4.17E-02	—	pCi/L	U	U	191539	GU070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0527	1.08E-02	1.87E-01	—	pCi/L	U	U	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0119	3.13E-03	3.70E-02	—	pCi/L	U	U	154721	GU06010G01R01	GELC
R-1	1701	1031.1	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.246	8.00E-03	2.70E-02	—	pCi/L	—	—	08-1699	CAMO-08-14503	GELC
R-1	1701	1031.1	08/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.273	1.34E-02	6.97E-02	—	pCi/L	—	—	191539	GF070800G01R01	GELC
R-1	1701	1031.1	07/06/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.222	1.67E-02	1.90E-01	—	pCi/L	—	J	166714	GF060500G01R01	GELC
R-1	1701	1031.1	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-1	1701	1031.1	07/06/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.256	1.95E-02	2.36E-01	—	pCi/L	—	J	166714	GU060500G01R01	GELC
R-1	1701	1031.1	01/25/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.247	9.70E-03	4.28E-02	—	pCi/L	—	—	154721	GU06010G01R01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	04/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.7	—	—	7.30E-01	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.4	—	—	7.30E-01	mg/L	—	—	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	3.00E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	3.00E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	3.00E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14	—	—	3.00E-02	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.5	—	—	3.00E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.5	—	—	3.00E-02	mg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	3.00E-02	mg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.14	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.18	—	—	6.60E-02	mg/L	—	—	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.454	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.35	—	—	3.30E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.376	—	—	3.30E-02	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.335	—	—	3.30E-02	mg/L	—	J-	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.2	—	—	3.50E-01	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.8	—	—	3.50E-01	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.9	—	—	3.50E-01	mg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.385	—	—	5.00E-02	µg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.41	—	—	5.00E-02	µg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.394	—	—	5.00E-02	µg/L	—	J	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.414	—	—	5.00E-02	µg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.364	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-8179	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	04/30/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	4.50E-02	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.9	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	4.50E-02	mg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	µS/cm	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.89	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	J-	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	1.00E-01	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.97	—	—	1.00E-01	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.97	—	—	1.00E-01	mg/L	—	J-	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	J	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	J	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.053	—	—	3.30E-02	mg/L	J	J-	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1680	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-863	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.453	—	—	3.30E-01	mg/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1680	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-863	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.611	—	—	3.30E-01	mg/L	J	J	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.1	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.7	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.23	—	—	2.50E+00	µg/L	J	J	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.92	—	—	1.50E+00	µg/L	J	J	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.7	—	—	1.50E+00	µg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.7	—	—	1.50E+00	µg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	1.50E+00	µg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.9	—	—	1.50E+00	µg/L	—	—	09-257	CAMO-09-899	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.36	—	—	2.50E+00	µg/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.91	—	—	1.50E+00	µg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	µg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	1.50E+00	µg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	µg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	µg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.98	—	—	1.00E-01	µg/L	—	U	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.99	—	—	1.00E-01	µg/L	—	U	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-2807	CAMO-09-9558	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	µg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	09-257	CAMO-09-811	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.727	—	—	5.00E-01	µg/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.5	—	—	3.20E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	3.20E-02	mg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.4	—	—	3.20E-02	mg/L	—	J-	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.2	—	—	3.20E-02	mg/L	—	—	08-1685	CAMO-08-14534	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.8	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.4	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	5.00E+00	µg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.4	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.4	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	µg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	5.00E-02	µg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	5.00E-02	µg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.44	—	—	5.00E-02	µg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	µg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.496	—	—	5.00E-02	µg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	µg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	5.00E-02	µg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	µg/L	—	—	09-257	CAMO-09-811	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.59	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.58	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-11419	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.58	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-8179	GELC
R-13	1741	958.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.1	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2627	GELC
R-13	1741	958.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.3	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-810	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.53	—	—	1.00E+00	µg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.07	—	—	1.00E+00	µg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.2	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2628	GELC
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-810	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	07/03/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0164	6.73E-03	5.04E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00813	1.20E-03	2.70E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	4.00E-03	3.10E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000397	1.97E-03	4.14E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0111	4.47E-03	5.22E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Americium-241	<	-5.26	1.94E+00	1.69E+01	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	Alpha Spec	Americium-241	<	-0.00238	2.10E-03	4.20E-02	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.67	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.136	4.07E-01	3.45E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.84	3.23E-01	3.79E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.3	3.73E-01	3.88E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.347	3.09E-01	3.39E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.00249	3.19E-01	3.44E+00	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.1	5.00E-01	6.10E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.16	3.31E-01	2.83E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.14	3.63E-01	3.84E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.432	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.19	5.33E-01	4.60E+00	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.11	3.67E-01	3.91E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.605	3.23E-01	3.76E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.82	2.63E-01	2.75E+00	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	11.1	6.00E-01	2.50E+00	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	05/22/03	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.94	2.73E-01	2.80E+00	—	pCi/L	U	U	1771S	GW05-03-51693	GEL
R-13	1741	958.3	01/27/03	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.45	2.37E-01	2.40E+00	—	pCi/L	U	U	1548S	GW13-03-50449	GEL
R-13	1741	958.3	10/28/02	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.54	1.33E-01	1.60E+00	—	pCi/L	U	U	1344S	GW13-02-49492	GEL
R-13	1741	958.3	07/03/02	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.6	1.83E-01	2.40E+00	—	pCi/L	U	U	944S	GW13-02-46374	GEL
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	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	12/09/03	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.504	7.40E-02	8.15E-01	—	pCi/L	U	U	103702	GU03120G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	3.56	1.40E+00	6.10E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	102	2.20E+01	3.38E+02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	93	2.61E+01	2.63E+02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67	2.33E+01	6.50E+01	—	pCi/L	—	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.66	3.33E+00	1.40E+01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	82.7	2.40E+01	2.50E+02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	72	2.41E+01	2.58E+02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	122	3.27E+01	2.87E+02	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.6	3.17E+00	3.00E+01	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.92	2.89E+00	2.49E+01	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.11	3.19E+00	2.42E+01	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.8	4.00E+00	3.70E+01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.62	3.33E+00	3.30E+01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.1	3.00E+00	2.81E+01	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.13	1.65E+00	1.66E+01	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.63	2.07E+00	2.20E+01	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00172	1.50E-03	2.40E-02	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00419	2.61E-03	4.02E-02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0024	8.00E-04	2.30E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0147	3.13E-03	2.80E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.70E-03	2.50E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.002	2.59E-03	3.84E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0082	1.23E-03	1.60E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-238	<	0.00218	7.27E-04	3.40E-02	—	pCi/L	U	U	114827	GU04060G31R01	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	07/03/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0048	1.13E-03	2.70E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0055	1.63E-03	3.40E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00357	8.33E-04	3.00E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00601	1.50E-03	3.53E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00492	9.50E-04	1.80E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	<	-0.00654	1.45E-03	3.50E-02	—	pCi/L	U	U	114827	GU04060G31R01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7	6.40E+00	3.78E+01	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	31.1	4.67E+00	5.50E+01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.6	5.67E+00	5.90E+01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.58	5.27E+00	4.92E+01	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	39.3	4.43E+00	5.49E+01	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.2	4.50E+00	4.80E+01	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.081	2.10E-02	2.20E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.27	4.67E-02	4.40E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	02/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0433	3.67E-02	4.80E-01	—	pCi/L	U	U	08-639	CAMO-08-10443	GELC
R-13	1741	958.3	11/09/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.211	3.33E-02	3.00E-01	—	pCi/L	U	U	08-145	CASA-08-8110	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	12	9.37E-01	6.01E+00	—	pCi/L	—	JN+	114827	GU04060G31R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0218	2.99E-02	3.46E-01	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.853	1.10E-01	9.30E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.00835	7.00E-02	7.70E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	02/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.317	9.33E-02	9.30E-01	—	pCi/L	U	U	08-639	CAMO-08-10443	GELC
R-13	1741	958.3	11/09/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.811	8.33E-02	6.30E-01	—	pCi/L	—	—	08-145	CASA-08-8110	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	9.38	1.19E+00	1.44E+01	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.854	5.00E-01	4.60E+00	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.33	3.70E-01	3.96E+00	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.133	3.53E-01	3.89E+00	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.33	5.00E-01	5.30E+00	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.827	3.67E-01	3.40E+00	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.00986	3.70E-01	3.64E+00	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.691	3.50E-01	4.04E+00	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.76	2.94E-01	3.12E+00	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.202	4.33E-02	4.10E-01	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.182	2.24E-02	3.12E-01	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0411	2.21E-02	3.11E-01	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.141	3.33E-02	3.40E-01	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0642	3.67E-02	3.90E-01	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00309	3.27E-02	3.61E-01	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.184	1.83E-02	2.99E-01	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	GFPC	Strontium-90	<	0.163	2.51E-02	3.00E-01	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9558	UMTL
R-13	1741	958.3	02/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	9.58E-02	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2628	UMTL
R-13	1741	958.3	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.3193	9.58E-02	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-811	UMTL
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.41509	3.36E-01	3.48E+00	—	pCi/L	U	U	08-1687	CAMO-08-14532	ARSL
R-13	1741	958.3	05/14/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	08-1178	CAMO-08-12771	UMTL
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.242	9.67E-03	8.00E-02	—	pCi/L	—	—	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.289	1.32E-02	4.86E-02	—	pCi/L	—	—	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.255	9.30E-03	4.37E-02	—	pCi/L	—	—	166561	GF060500G13R01	GELC
R-13	1741	958.3	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	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.259	1.04E-02	5.57E-02	—	pCi/L	—	—	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.243	9.13E-03	6.90E-02	—	pCi/L	—	—	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0201	2.90E-03	4.30E-02	—	pCi/L	U	U	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00956	3.01E-03	4.15E-02	—	pCi/L	U	U	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0103	2.12E-03	3.68E-02	—	pCi/L	U	U	166561	GF060500G13R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0022	1.93E-03	3.30E-02	—	pCi/L	U	U	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.60E-03	3.80E-02	—	pCi/L	U	U	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.000057	2.34E-03	4.92E-02	—	pCi/L	U	U	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0132	3.83E-03	4.70E-02	—	pCi/L	U	U	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.00682	3.31E-03	4.20E-02	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.105	5.67E-03	4.20E-02	—	pCi/L	—	—	08-1683	CAMO-08-14534	GELC
R-13	1741	958.3	08/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.153	9.37E-03	6.49E-02	—	pCi/L	—	J	191858	GF070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.134	6.23E-03	4.64E-02	—	pCi/L	—	J	166561	GF060500G13R01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Rad	HASL-300	Uranium-238	—	0.107	5.33E-03	3.40E-02	—	pCi/L	—	—	09-2808	CAMO-09-9558	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.106	5.67E-03	3.80E-02	—	pCi/L	—	—	08-1683	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.138	1.01E-02	7.70E-02	—	pCi/L	—	J	191858	GU070800G13R01	GELC
R-13	1741	958.3	07/03/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.131	7.73E-03	5.92E-02	—	pCi/L	—	J	166561	GU060500G13R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	24.6	2.19E+01	1.42E+02	—	pCi/L	U	U	114827	GU04060G31R01	GELC
R-13	1741	958.3	06/11/04	WG	UF	CS	—	Rad	Alpha Spec	Uranium-238	—	0.145	6.70E-03	4.90E-02	—	pCi/L	—	J	114827	GU04060G31R01	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	3.6	—	—	2.10E+00	µg/L	J	J	09-2806	CAMO-09-9557	GELC
R-13	1741	958.3	08/14/08	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10.9	—	—	2.20E+00	µg/L	U	U	08-1684	CAMO-08-14532	GELC
R-13	1741	958.3	08/16/07	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10.5	—	—	2.11E+00	µg/L	U	—	191858	GU070800G13R01	GELC
R-13	1741	958.3	06/12/07	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10.5	—	—	2.11E+00	µg/L	U	—	187795	GU070600G13R01	GELC
R-13	1741	958.3	02/28/07	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10.5	—	—	2.11E+00	µg/L	U	—	181695	GU070200G13R01	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000203	—	—	2.03E-06	µg/L	J	J	09-2819	CAMO-09-9571	ALTC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000062	—	—	6.20E-06	µg/L	U	U	09-1797	CAMO-09-8207	ALTC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000255	—	—	2.55E-06	µg/L	JB	U	09-940	CAMO-09-2862	ALTC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.05	—	—	7.30E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61	—	—	7.30E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.6	—	—	7.30E-01	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.5	—	—	7.30E-01	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.7	—	—	7.30E-01	mg/L	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	3.00E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	3.00E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	3.00E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	6.60E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.72	—	—	6.60E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.68	—	—	6.60E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.63	—	—	6.60E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.72	—	—	6.60E-02	mg/L	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.387	—	—	3.30E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.209	—	—	3.30E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.24	—	—	3.30E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	J-	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.242	—	—	3.30E-02	mg/L	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.5	—	—	3.50E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.7	—	—	3.50E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.8	—	—	3.50E-01	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.4	—	—	3.50E-01	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	3.50E-01	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.1	—	—	3.50E-01	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	3.50E-01	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.4	—	—	3.50E-01	mg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.04	—	—	8.50E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.35	—	—	8.50E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	8.50E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.23	—	—	8.50E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.127	—	—	1.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.326	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.232	—	—	5.00E-02	mg/L	J	J	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.343	—	—	5.00E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0356	—	—	1.00E-02	mg/L	J	J	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.288	—	—	5.00E-02	µg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.27	—	—	5.00E-02	µg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.268	—	—	5.00E-02	µg/L	—	J	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.306	—	—	5.00E-02	µg/L	—	J+	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.235	—	—	5.00E-02	µg/L	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.05	—	—	5.00E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.13	—	—	5.00E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.18	—	—	5.00E-02	mg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	125	—	—	1.00E+00	µS/cm	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	µS/cm	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	128	—	—	1.00E+00	µS/cm	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	µS/cm	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	µS/cm	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.04	—	—	1.00E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.03	—	—	1.00E-01	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.17	—	—	1.00E-01	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.19	—	—	1.00E-01	mg/L	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	J	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.104	—	—	3.30E-02	mg/L	—	J-	09-2820	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1730	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.58	—	—	3.30E-01	mg/L	J	J	09-2820	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.792	—	—	3.30E-01	mg/L	J	J	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.923	—	—	3.30E-01	mg/L	J	J	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.437	—	—	3.30E-01	mg/L	J	J	08-1730	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.41	—	—	1.00E-02	SU	H	J-	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	08-1731	CAMO-08-14507	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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-846:6020	Arsenic	—	1.92	—	—	1.50E+00	µg/L	J	J	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.56	—	—	1.50E+00	µg/L	J	J	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.7	—	—	1.00E+00	µg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	µg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.8	—	—	1.00E+00	µg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.9	—	—	1.00E+00	µg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	µg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	µg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.7	—	—	1.00E+00	µg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.6	—	—	1.00E+00	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	µg/L	J	J	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.92	—	—	1.50E+00	µg/L	—	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	1.50E+00	µg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.6	—	—	1.50E+00	µg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.65	—	—	2.50E+00	µg/L	J	J	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.35	—	—	1.50E+00	µg/L	—	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	1.50E+00	µg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	1.50E+00	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	µg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	µg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	µg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	µg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.527	—	—	5.00E-01	µg/L	J	J	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	µg/L	J	J	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	µg/L	J	J	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	µg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	µg/L	J	J	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	µg/L	J	J	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	µg/L	J	J	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.4	—	—	5.00E-01	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.1	—	—	3.20E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.6	—	—	3.20E-02	mg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.9	—	—	3.20E-02	mg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.6	—	—	3.20E-02	mg/L	—	—	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00E+00	µg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	µg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59	—	—	1.00E+00	µg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	µg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60	—	—	1.00E+00	µg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.9	—	—	1.00E+00	µg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	µg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.928	—	—	5.00E-02	µg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	µg/L	—	J	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.97	—	—	5.00E-02	µg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	µg/L	—	—	09-303	CAMO-09-792	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.944	—	—	5.00E-02	µg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	µg/L	—	J	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.96	—	—	5.00E-02	µg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.87	—	—	5.00E-02	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.04	—	—	1.00E+00	µg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.79	—	—	1.00E+00	µg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.7	—	—	1.00E+00	µg/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.5	—	—	1.00E+00	µg/L	—	—	09-303	CAMO-09-792	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	µg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.67	—	—	1.00E+00	µg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.9	—	—	1.00E+00	µg/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.5	—	—	1.00E+00	µg/L	—	—	09-303	CAMO-09-791	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	1.43E-03	4.30E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0103	3.67E-03	5.40E-02	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000349	2.90E-03	2.90E-02	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	1.10E-03	2.80E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	1.23E-03	3.70E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00164	1.17E-03	5.50E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00786	4.33E-03	3.30E-02	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.843	5.67E-01	5.30E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.22	3.67E-01	4.20E+00	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.67	4.33E-01	4.80E+00	—	pCi/L	U	U	08-1731	CAMO-08-14507	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	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.01	3.67E-01	3.90E+00	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.03	4.67E-01	3.80E+00	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.14	5.00E-01	5.50E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.59	4.00E-01	4.30E+00	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.22	4.33E-01	4.50E+00	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.395	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.721	4.67E-01	5.00E+00	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.83	5.00E-01	4.10E+00	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.865	4.00E-01	3.50E+00	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.14	1.43E-01	1.10E+00	—	pCi/L	—	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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/beta	—	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	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	02/18/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	18	6.33E+00	2.80E+01	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	17.9	5.00E+00	2.80E+01	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	70.4	6.33E+00	5.00E+01	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	98.1	1.30E+01	8.30E+01	—	pCi/L	—	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.5	4.33E+00	3.10E+01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	2.48	3.33E+00	1.30E+01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.4	4.00E+00	4.10E+01	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.9	3.67E+00	3.50E+01	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.7	4.00E+00	3.30E+01	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.3	3.20E+00	3.00E+01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-15.9	3.33E+00	3.10E+01	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.98	3.27E+00	3.40E+01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.871	3.20E+00	3.10E+01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.014	4.67E-03	4.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0149	4.00E-03	4.20E-02	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00629	1.40E-03	2.90E-02	—	pCi/L	U	U	08-1731	CAMO-08-14507	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00213	1.00E-03	3.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0184	3.07E-03	3.30E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00232	4.00E-03	3.20E-02	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0224	4.00E-03	5.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0178	4.00E-03	6.00E-02	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0126	2.23E-03	3.60E-02	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00199	1.50E-03	3.90E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00213	7.00E-04	4.10E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00461	2.43E-03	4.60E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00695	2.33E-03	4.00E-02	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	22.9	6.00E+00	6.70E+01	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.22	5.33E+00	5.50E+01	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.87	5.67E+00	5.20E+01	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.14	5.33E+00	5.70E+01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.8	5.00E+00	5.80E+01	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.22	4.33E+00	4.40E+01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-35.9	5.67E+00	5.10E+01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.242	3.33E-02	2.40E-01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.261	4.00E-02	3.50E-01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.736	9.67E-02	8.70E-01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.427	6.33E-02	5.80E-01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.39	5.67E-01	5.30E+00	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.01	4.67E-01	5.10E+00	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.734	3.67E-01	3.40E+00	—	pCi/L	U	U	08-1731	CAMO-08-14507	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	02/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.994	4.67E-01	4.80E+00	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.272	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.101	2.53E-02	2.90E-01	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0138	4.67E-02	4.80E-01	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.000686	3.33E-02	3.60E-01	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.394	5.00E-02	4.90E-01	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.148	4.00E-02	4.30E-01	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0236	4.33E-02	4.80E-01	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0684	4.00E-02	5.00E-01	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9571	UMTL
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1855	CAMO-09-8207	UMTL
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1039	CAMO-09-2862	UMTL
R-14	8571	1200.6	11/13/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	9.58E-02	2.87E-01	—	pCi/L	U	U	09-344	CAMO-09-791	UMTL
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.41509	3.36E-01	3.48E+00	—	pCi/L	U	U	08-1738	CAMO-08-14506	ARSL
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.511	1.63E-02	9.10E-02	—	pCi/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.565	1.60E-02	5.80E-02	—	pCi/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.533	2.13E-02	1.70E-01	—	pCi/L	—	J+	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.548	1.87E-02	1.10E-01	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.516	1.67E-02	9.50E-02	—	pCi/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.496	1.43E-02	5.60E-02	—	pCi/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.555	1.50E-02	6.40E-02	—	pCi/L	—	—	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0252	2.87E-03	4.20E-02	—	pCi/L	U	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0204	2.43E-03	2.70E-02	—	pCi/L	U	U	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0492	6.67E-03	9.10E-02	—	pCi/L	U	U	08-1731	CAMO-08-14507	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0278	3.33E-03	5.30E-02	—	pCi/L	U	U	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0232	2.80E-03	4.40E-02	—	pCi/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	1.93E-03	2.60E-02	—	pCi/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0184	3.07E-03	3.40E-02	—	pCi/L	U	U	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.274	1.07E-02	4.50E-02	—	pCi/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	02/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.305	1.00E-02	3.40E-02	—	pCi/L	—	—	09-941	CAMO-09-2863	GELC
R-14	8571	1200.6	08/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.244	1.33E-02	9.00E-02	—	pCi/L	—	J+	08-1731	CAMO-08-14507	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.281	1.17E-02	5.30E-02	—	pCi/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.317	1.17E-02	4.70E-02	—	pCi/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.315	1.00E-02	3.40E-02	—	pCi/L	—	—	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.303	1.00E-02	3.30E-02	—	pCi/L	—	—	08-1731	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chlorobenzene	—	4.96	—	—	2.50E-01	µg/L	—	—	09-2820	CAMO-09-9572	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1730	CAMO-08-14506	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	—	0.776	—	—	3.00E-01	µg/L	J	J	09-2820	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	UJ	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	02/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-941	CAMO-09-2862	GELC
R-14	8571	1200.6	08/20/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1730	CAMO-08-14506	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.7	—	—	7.30E-01	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	7.30E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.1	—	—	7.30E-01	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.8	—	—	7.30E-01	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	3.00E-02	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	14.9	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.5	—	—	3.00E-02	mg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	4.01	—	—	6.60E-02	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.4	—	—	6.60E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.35	—	—	6.60E-02	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.358	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.351	—	—	3.30E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.326	—	—	3.30E-02	mg/L	—	U	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.8	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.4	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.4	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53	—	—	3.50E-01	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	54.3	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.7	—	—	3.50E-01	mg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.93	—	—	1.00E-01	mg/L	—	J	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.25	—	—	1.00E-01	mg/L	—	J	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.01	—	—	1.00E-01	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.16	—	—	1.00E-01	mg/L	—	—	09-267	CAMO-09-797	GELC
R-15	1751	958.6	08/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.21	—	—	1.00E-01	mg/L	—	—	08-1698	CAMO-08-14540	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	FD	Geninorg	SW-846:6850	Perchlorate	—	7.38	—	—	5.00E-01	µg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.01	—	—	5.00E-01	µg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.39	—	—	5.00E-01	µg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.06	—	—	5.00E-01	µg/L	—	J	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.81	—	—	5.00E-02	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	4.50E-02	mg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	µS/cm	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	153	—	—	1.00E+00	µS/cm	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	151	—	—	1.00E+00	µS/cm	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	6.03	—	—	1.00E-01	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.02	—	—	1.00E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.71	—	—	1.00E-01	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.61	—	—	1.00E-01	mg/L	—	J	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.056	—	—	3.30E-02	mg/L	J	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.056	—	—	3.30E-02	mg/L	J	J	09-1716	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	11/10/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-267	CAMO-09-798	GELC
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1696	CAMO-08-14541	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.612	—	—	3.30E-01	mg/L	J	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.701	—	—	3.30E-01	mg/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1716	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.31	—	—	1.00E-02	SU	H	J-	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	71.1	—	—	6.80E+01	µg/L	J	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8174	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.6	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	31.1	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.5	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	8.69	—	—	2.50E+00	µg/L	J	J	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.82	—	—	2.50E+00	µg/L	J	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.49	—	—	1.50E+00	µg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.02	—	—	1.50E+00	µg/L	—	—	09-1716	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.02	—	—	1.50E+00	µg/L	—	—	09-1716	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.6	—	—	1.50E+00	µg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	9	—	—	2.50E+00	µg/L	J	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.97	—	—	2.50E+00	µg/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.3	—	—	1.50E+00	µg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.5	—	—	1.50E+00	µg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	159	—	—	3.00E+01	µg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	127	—	—	3.00E+01	µg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37.9	—	—	2.50E+01	µg/L	J	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	211	—	—	2.50E+01	µg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	2.08	—	—	2.00E+00	µg/L	J	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.6	—	—	2.00E+00	µg/L	J	J	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.953	—	—	1.00E-01	µg/L	—	J	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.871	—	—	1.00E-01	µg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.97	—	—	1.00E-01	µg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.971	—	—	1.00E-01	µg/L	—	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.979	—	—	1.00E-01	µg/L	—	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.887	—	—	1.00E-01	µg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.9	—	—	1.00E-01	µg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.762	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.832	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.9	—	—	5.00E-01	µg/L	J	J	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.895	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.879	—	—	5.00E-01	µg/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.582	—	—	5.00E-01	µg/L	J	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	µg/L	J	J	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	5.30E-02	mg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	3.20E-02	mg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	63.6	—	—	5.00E+00	µg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59	—	—	5.00E+00	µg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.8	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.8	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	62.2	—	—	5.00E+00	µg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	5.00E+00	µg/L	—	—	09-2803	CAMO-09-9542	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.8	—	—	1.00E+00	µg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.435	—	—	5.00E-02	µg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.458	—	—	5.00E-02	µg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.419	—	—	5.00E-02	µg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.419	—	—	5.00E-02	µg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.35	—	—	5.00E-02	µg/L	—	—	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.462	—	—	5.00E-02	µg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.467	—	—	5.00E-02	µg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	µg/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	µg/L	—	—	09-920	CAMO-09-2615	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	6.98	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9543	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	µg/L	—	J	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	µg/L	—	J	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	µg/L	—	J	09-920	CAMO-09-2614	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.25	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	µg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.58	—	—	1.00E+00	µg/L	—	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	µg/L	—	J	09-920	CAMO-09-2615	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	08/31/05	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0268	5.30E-03	3.55E-02	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.012	1.53E-03	2.60E-02	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0179	5.00E-03	3.56E-02	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.802	3.04E-01	3.44E+00	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	1.66	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2805	CAMO-09-9544	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
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	08/31/05	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.66	3.93E-01	4.04E+00	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.356	3.03E-01	3.30E+00	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	1.25	5.33E-01	4.90E+00	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.796	4.43E-01	4.84E+00	—	pCi/L	U	U	144703	GU05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	—	1.31	1.40E-01	1.20E+00	—	pCi/L	—	—	09-2805	CAMO-09-9544	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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	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	05/25/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.79	2.74E-01	3.06E+00	—	pCi/L	U	U	137440	GF05050G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.87	2.50E-01	2.20E+00	—	pCi/L	U	U	09-2805	CAMO-09-9544	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	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	05/25/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.11	2.72E-01	3.19E+00	—	pCi/L	U	U	137440	GU05050G15R01	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	08/31/05	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	83	9.27E+01	2.78E+02	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	43.6	8.33E+00	2.90E+01	—	pCi/L	—	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	139	4.37E+01	5.08E+02	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.62	3.40E+00	2.50E+01	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	15.4	3.33E+00	3.20E+01	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.1	2.22E+00	1.61E+01	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00275	1.59E-03	5.71E-02	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00635	1.87E-03	3.40E-02	—	pCi/L	U	U	09-2805	CAMO-09-9544	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
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	08/31/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0187	3.47E-03	5.54E-02	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.011	3.43E-03	4.82E-02	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00846	1.57E-03	4.10E-02	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0214	4.17E-03	4.68E-02	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	35.2	4.40E+00	3.05E+01	—	pCi/L	U	R	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	3.08	4.67E+00	4.90E+01	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17	4.13E+00	5.10E+01	—	pCi/L	U	U	144703	GU05080G15R01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	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	08/31/05	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.659	3.20E-01	3.73E+00	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	2.66	4.00E-01	4.50E+00	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.417	4.33E-01	4.57E+00	—	pCi/L	U	U	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0226	2.40E-02	3.43E-01	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.0177	3.67E-02	4.00E-01	—	pCi/L	U	U	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0283	1.90E-02	2.96E-01	—	pCi/L	U	U	144703	GU05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	30.3335	3.19E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9544	UMTL
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.6949	3.19E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9542	UMTL
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.30015	2.98E-01	2.87E-01	—	pCi/L	—	—	09-916	CAMO-09-2615	UMTL
R-15	1751	958.6	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	37.83705	3.64E+00	7.02E+00	—	pCi/L	—	—	09-933	CAMO-09-11413	ARSL
R-15	1751	958.6	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.3335	3.19E-01	2.87E-01	—	pCi/L	—	—	09-264	CAMO-09-798	UMTL
R-15	1751	958.6	08/15/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	16.95483	9.61E-01	3.58E+00	—	pCi/L	—	U	08-1738	CAMO-08-14541	ARSL
R-15	1751	958.6	05/20/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.55559	2.98E-01	2.87E-01	—	pCi/L	—	—	08-1194	CAMO-08-12753	UMTL
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	08/31/05	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.341	1.31E-02	9.80E-02	—	pCi/L	—	—	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.27	1.17E-02	9.70E-02	—	pCi/L	—	—	09-2805	CAMO-09-9544	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	08/31/05	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.292	1.13E-02	8.31E-02	—	pCi/L	—	—	144703	GU05080G15R01	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	08/31/05	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0397	5.33E-03	7.38E-02	—	pCi/L	U	U	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	-0.00314	2.77E-03	4.70E-02	—	pCi/L	U	U	09-2805	CAMO-09-9544	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
R-15	1751	958.6	08/31/05	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0539	5.10E-03	6.26E-02	—	pCi/L	U	U	144703	GU05080G15R01	GELC
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	08/31/05	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.186	8.90E-03	6.94E-02	—	pCi/L	—	J	144703	GF05080G15R01	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.178	9.00E-03	4.80E-02	—	pCi/L	—	—	09-2805	CAMO-09-9544	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-15	1751	958.6	08/31/05	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	8.37E-03	5.88E-02	—	pCi/L	—	—	144703	GU05080G15R01	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	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.4	—	—	7.30E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.5	—	—	7.30E-01	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.2	—	—	7.30E-01	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	3.00E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	3.00E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	3.00E-02	mg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.4	—	—	6.60E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.4	—	—	6.60E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.515	—	—	3.30E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.473	—	—	3.30E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.435	—	—	3.30E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.531	—	—	3.30E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	3.50E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.4	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	3.50E-01	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	3.50E-01	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	3.50E-01	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	3.50E-01	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.9	—	—	3.50E-01	mg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.85	—	—	8.50E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.731	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.724	—	—	8.50E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.707	—	—	8.50E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.868	—	—	8.50E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.713	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.743	—	—	8.50E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.732	—	—	8.50E-02	mg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.51	—	—	5.00E-02	mg/L	—	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.401	—	—	5.00E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.496	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0973	—	—	1.00E-02	mg/L	—	—	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	µg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	µg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.383	—	—	5.00E-02	µg/L	—	J	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.397	—	—	5.00E-02	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.3	—	—	5.00E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.01	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	EN	J-	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	4.50E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	4.50E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	EN	J-	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.6	—	—	4.50E-02	mg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	4.50E-02	mg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	µS/cm	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	µS/cm	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	µS/cm	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	µS/cm	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.24	—	—	1.00E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.51	—	—	1.00E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.39	—	—	1.00E-01	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.19	—	—	1.00E-01	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	112	—	—	2.40E+00	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.40E+00	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	121	—	—	2.40E+00	mg/L	—	J	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.44	—	—	1.00E-02	SU	H	J-	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	1	—	—	5.00E-01	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-216	CAMO-09-802	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.64	—	—	1.50E+00	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.15	—	—	1.50E+00	µg/L	J	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.91	—	—	1.50E+00	µg/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.05	—	—	1.50E+00	µg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.8	—	—	1.00E+00	µg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.2	—	—	1.00E+00	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	58.7	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.9	—	—	1.00E+00	µg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.8	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.7	—	—	1.00E+00	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59.4	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	21.6	—	—	1.00E+01	µg/L	J	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	24.9	—	—	1.00E+01	µg/L	J	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-216	CAMO-09-802	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	20.5	—	—	1.00E+01	µg/L	J	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	23.1	—	—	1.00E+01	µg/L	J	U	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.38	—	—	2.50E+00	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	1.50E+00	µg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	1.50E+00	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.6	—	—	1.50E+00	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	2.50E+00	µg/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.61	—	—	1.50E+00	µg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	1.50E+00	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.8	—	—	1.50E+00	µg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	3.92	—	—	1.00E+00	µg/L	J	J	09-2841	CAMO-09-9553	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-216	CAMO-09-802	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.77	—	—	2.00E+00	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-216	CAMO-09-802	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	µg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	µg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	µg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	µg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.971	—	—	5.00E-01	µg/L	J	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.995	—	—	5.00E-01	µg/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	µg/L	J	J	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.8	—	—	5.00E-01	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	µg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.6	—	—	3.20E-02	mg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.1	—	—	3.20E-02	mg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	µg/L	E	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	180	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	190	—	—	1.00E+00	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	171	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	µg/L	E	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	µg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	µg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	µg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	µg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-216	CAMO-09-801	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	µg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	µg/L	—	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.3	—	—	1.00E+00	µg/L	—	—	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.9	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	µg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	µg/L	—	J	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.7	—	—	1.00E+00	µg/L	—	—	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.3	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-801	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.6	—	—	3.30E+00	µg/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.53	—	—	2.00E+00	µg/L	J	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.1	—	—	2.00E+00	µg/L	—	U	09-903	CAMO-09-2618	GELC
R-16r	6341	600	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.9	—	—	2.00E+00	µg/L	J	J	09-216	CAMO-09-802	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.45	—	—	3.30E+00	µg/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.38	—	—	2.00E+00	µg/L	J	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.5	—	—	2.00E+00	µg/L	—	J	09-903	CAMO-09-2619	GELC
R-16r	6341	600	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	2.00E+00	µg/L	—	—	09-216	CAMO-09-801	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	08/11/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0105	2.87E-03	3.30E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00119	8.67E-04	2.70E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00929	3.00E-03	4.18E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0141	2.49E-03	3.75E-02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00107	2.67E-03	3.49E-02	—	pCi/L	U	U	163786	GU06050GR16A01	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	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.119	4.67E-01	4.50E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.483	3.10E-01	3.10E+00	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.76	4.40E-01	3.81E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.829	3.83E-01	3.90E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2	3.02E-01	2.89E+00	—	pCi/L	U	U	163786	GU06050GR16A01	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.821	4.00E-01	4.30E+00	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.911	4.87E-01	5.07E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.43	4.67E-01	4.10E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.377	3.27E-01	3.10E+00	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.119	5.23E-01	5.04E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.13	2.95E-01	3.80E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0469	3.37E-01	3.76E+00	—	pCi/L	U	U	163786	GU06050GR16A01	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	1.86	1.37E-01	9.80E-01	—	pCi/L	—	—	09-2841	CAMO-09-9556	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	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	03/08/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.23	2.67E-01	2.89E+00	—	pCi/L	—	J	157839	GU0602GR16A01	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	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.8	8.33E+00	6.30E+01	—	pCi/L	—	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	19.1	4.67E+00	3.60E+01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.9	1.86E+01	2.08E+02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.2	2.01E+01	2.59E+02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.6	2.34E+01	2.33E+02	—	pCi/L	U	U	163786	GU06050GR16A01	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	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.2	4.33E+00	3.90E+01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.71	2.17E+00	2.20E+01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.05	3.17E+00	3.24E+01	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.32	3.05E+00	2.92E+01	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.7	3.70E+00	2.42E+01	—	pCi/L	U	U	163786	GU06050GR16A01	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	08/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00198	1.13E-03	3.20E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00837	1.70E-03	2.90E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.84E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00459	5.53E-03	4.41E-02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00467	2.70E-03	5.60E-02	—	pCi/L	U	U	163786	GU06050GR16A01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	08/11/08	WG	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	08/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00395	1.87E-03	3.90E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00627	1.57E-03	3.60E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	6.67E-04	3.52E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00459	2.65E-03	5.14E-02	—	pCi/L	U	U, J	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0747	6.70E-03	6.15E-02	—	pCi/L	U	U	163786	GU06050GR16A01	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	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.1	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.4	4.67E+00	4.60E+01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.2	6.37E+00	6.18E+01	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29	4.17E+00	5.26E+01	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.4	3.77E+00	4.74E+01	—	pCi/L	U	U	163786	GU06050GR16A01	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.35	4.33E-02	3.40E-01	—	pCi/L	—	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.281	4.33E-02	3.80E-01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.42	4.67E-02	3.60E-01	—	pCi/L	—	—	08-594	CAMO-08-10465	GELC
R-16r	6341	600	11/13/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.763	8.00E-02	6.10E-01	—	pCi/L	—	—	08-221	CAMO-08-8602	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.347	8.33E-02	8.30E-01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0735	5.33E-02	6.30E-01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.782	7.00E-02	5.10E-01	—	pCi/L	—	—	08-594	CAMO-08-10465	GELC
R-16r	6341	600	11/13/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.575	8.00E-02	7.10E-01	—	pCi/L	U	U	08-221	CAMO-08-8602	GELC
R-16r	6341	600	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.695	3.33E-01	3.50E+00	—	pCi/L	U	U	08-1637	CAMO-08-14515	GELC
R-16r	6341	600	08/20/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.678	4.47E-01	4.55E+00	—	pCi/L	U	U	192106	GF07080GR16A01	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.454	3.67E-01	3.30E+00	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.409	3.07E-01	3.10E+00	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.292	5.13E-01	4.94E+00	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.06	1.19E+00	3.62E+00	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.396	3.12E-01	3.40E+00	—	pCi/L	U	U	163786	GU06050GR16A01	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	08/11/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0903	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0416	2.50E-02	2.50E-01	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.234	4.73E-02	4.62E-01	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00213	3.15E-02	3.63E-01	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.202	3.07E-02	3.64E-01	—	pCi/L	U	U	163786	GU06050GR16A01	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	9.58E-02	2.87E-01	—	pCi/L	—	U	09-2842	CAMO-09-9556	UMTL
R-16r	6341	600	05/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8192	UMTL
R-16r	6341	600	02/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	9.58E-02	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2619	UMTL
R-16r	6341	600	11/04/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	9.58E-02	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-801	UMTL
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.25544	3.20E-01	3.29E+00	—	pCi/L	U	U	08-1640	CAMO-08-14516	ARSL
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	08/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.738	2.33E-02	9.90E-02	—	pCi/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.742	2.40E-02	1.50E-01	—	pCi/L	—	—	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.683	2.35E-02	5.56E-02	—	pCi/L	—	—	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.817	2.90E-02	1.09E-01	—	pCi/L	—	—	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.922	2.51E-02	1.31E-01	—	pCi/L	—	—	163786	GU06050GR16A01	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	08/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0224	2.87E-03	4.80E-02	—	pCi/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0207	5.00E-03	8.20E-02	—	pCi/L	U	U	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0164	3.90E-03	4.75E-02	—	pCi/L	U	U	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00643	9.83E-03	9.20E-02	—	pCi/L	U	U	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0231	6.33E-03	6.26E-02	—	pCi/L	U	U	163786	GU06050GR16A01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	08/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.451	1.60E-02	4.90E-02	—	pCi/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.478	1.80E-02	7.50E-02	—	pCi/L	—	—	08-1637	CAMO-08-14516	GELC
R-16r	6341	600	08/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.496	1.91E-02	7.43E-02	—	pCi/L	—	—	192106	GU07080GR16A01	GELC
R-16r	6341	600	08/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.484	2.22E-02	1.15E-01	—	pCi/L	—	—	169741	GU06080GR16A01	GELC
R-16r	6341	600	05/24/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.408	1.51E-02	7.30E-02	—	pCi/L	—	—	163786	GU06050GR16A01	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Acetone	—	8.17	—	—	3.50E+00	µg/L	J	J	09-2840	CAMO-09-9554	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.30E+00	µg/L	U	UJ	08-1638	CAMO-08-14516	GELC
R-16r	6341	600	05/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.30E+00	µg/L	U	UJ	08-1169	CAMO-08-12759	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.30E+00	µg/L	U	UJ	08-594	CAMO-08-10465	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chlorobenzene	—	4.79	—	—	2.50E-01	µg/L	—	—	09-2840	CAMO-09-9554	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1638	CAMO-08-14516	GELC
R-16r	6341	600	05/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1169	CAMO-08-12759	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-594	CAMO-08-10465	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.409	—	—	3.00E-01	µg/L	J	J	09-2840	CAMO-09-9554	GELC
R-16r	6341	600	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1638	CAMO-08-14516	GELC
R-16r	6341	600	05/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1169	CAMO-08-12759	GELC
R-16r	6341	600	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-594	CAMO-08-10465	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.9	—	—	7.30E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.5	—	—	7.30E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.7	—	—	7.30E-01	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.9	—	—	7.30E-01	mg/L	—	—	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.17	—	—	6.60E-02	mg/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	UJ	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.232	—	—	6.70E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.113	—	—	6.70E-02	mg/L	J	J	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.191	—	—	6.70E-02	mg/L	J	J-	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.4	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.1	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.3	—	—	3.00E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.8	—	—	3.00E-02	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.9	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.9	—	—	3.00E-02	mg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	40	—	—	3.00E-02	mg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.1	—	—	6.60E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	29.5	—	—	6.60E-01	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.7	—	—	1.30E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.7	—	—	6.60E-01	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	27.5	—	—	3.30E-01	mg/L	—	—	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.384	—	—	3.30E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.305	—	—	3.30E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.302	—	—	3.30E-02	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.347	—	—	3.30E-02	mg/L	—	J-	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	154	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	141	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	157	—	—	3.50E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	151	—	—	3.50E-01	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	157	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	144	—	—	3.50E-01	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	153	—	—	3.50E-01	mg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	141	—	—	3.50E-01	mg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.98	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.3	—	—	8.50E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	09-257	CAMO-09-809	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11	—	—	8.50E-02	mg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.95	—	—	8.50E-02	mg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.67	—	—	1.00E-01	mg/L	—	J-	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.25	—	—	2.50E-01	mg/L	—	J	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.3	—	—	1.00E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.64	—	—	1.00E-01	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.45	—	—	2.50E-01	mg/L	—	—	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.974	—	—	1.00E-01	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.802	—	—	5.00E-02	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.921	—	—	5.00E-02	µg/L	—	J	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.01	—	—	1.00E-01	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.967	—	—	5.00E-02	µg/L	—	—	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.85	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	4.50E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	4.50E-02	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15	—	—	4.50E-02	mg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	4.50E-02	mg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	4.50E-02	mg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	372	—	—	1.00E+00	µS/cm	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	368	—	—	1.00E+00	µS/cm	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	378	—	—	1.00E+00	µS/cm	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	385	—	—	1.00E+00	µS/cm	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	43	—	—	1.00E+00	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.6	—	—	1.00E+00	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	46.3	—	—	2.00E-01	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	46.3	—	—	1.00E+00	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	42.5	—	—	5.00E-01	mg/L	—	J-	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	287	—	—	2.40E+00	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	279	—	—	2.40E+00	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	287	—	—	2.40E+00	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	278	—	—	2.40E+00	mg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	294	—	—	2.40E+00	mg/L	—	—	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.414	—	—	3.30E-01	mg/L	J	J	09-2877	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.372	—	—	3.30E-01	mg/L	J	J	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.489	—	—	3.30E-01	mg/L	J	J	09-863	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.691	—	—	3.30E-01	mg/L	J	J	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/15/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.798	—	—	3.30E-01	mg/L	J	J	08-1696	CAMO-08-14543	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.075	—	—	1.50E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.186	—	—	2.40E-02	mg/L	—	J	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.026	—	—	2.40E-02	mg/L	J	J-	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.036	—	—	2.40E-02	mg/L	J	U	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	09-864	CAMO-09-2626	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/10/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.1	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.8	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	67.5	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.2	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.8	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.3	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59.9	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	µg/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23.6	—	—	1.00E+01	µg/L	J	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.00E+01	µg/L	J	J	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.4	—	—	1.00E+01	µg/L	J	J	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.4	—	—	1.50E+01	µg/L	J	J	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	24.7	—	—	1.00E+01	µg/L	J	U	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.00E+01	µg/L	J	J	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.00E+01	µg/L	J	J	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	383	—	—	2.50E+00	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	388	—	—	7.50E+00	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	380	—	—	1.50E+00	µg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	468	—	—	1.50E+01	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	395	—	—	2.50E+00	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	427	—	—	7.50E+00	µg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	372	—	—	1.50E+00	µg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	490	—	—	1.50E+01	µg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.764	—	—	1.00E-01	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.763	—	—	1.00E-01	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.77	—	—	1.00E-01	µg/L	—	U	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.78	—	—	1.00E-01	µg/L	—	U	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.00E-01	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	µg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.85	—	—	1.00E-01	µg/L	—	U	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.85	—	—	1.00E-01	µg/L	—	U	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.6	—	—	5.00E-01	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	5.00E-01	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	18.2	—	—	5.00E-01	µg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.7	—	—	5.00E-01	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.4	—	—	5.00E-01	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.7	—	—	5.00E-01	µg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.8	—	—	5.00E-01	µg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.1	—	—	5.00E-01	µg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.3	—	—	5.30E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	3.20E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.1	—	—	3.20E-02	mg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	3.20E-02	mg/L	—	J-	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	3.20E-02	mg/L	—	—	08-1698	CAMO-08-14542	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	5.00E+00	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	5.00E+00	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	1.00E+00	µg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	153	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	µg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-864	CAMO-09-2626	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	µg/L	—	—	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.22	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5.95	—	—	1.00E+00	µg/L	—	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.4	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	µg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.17	—	—	1.00E+00	µg/L	—	U	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.4	—	—	1.00E+00	µg/L	—	—	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.7	—	—	1.00E+00	µg/L	—	—	09-257	CAMO-09-808	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.77	—	—	3.30E+00	µg/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	3.65	—	—	2.00E+00	µg/L	J	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	02/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.4	—	—	2.00E+00	µg/L	J	U	09-864	CAMO-09-2626	GELC
R-28	1781	934.3	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.8	—	—	2.00E+00	µg/L	J	J	09-257	CAMO-09-809	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.98	—	—	3.30E+00	µg/L	J	J	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.87	—	—	2.00E+00	µg/L	J	U	09-1701	CAMO-09-8177	GELC
R-28	1781	934.3	02/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	4.3	—	—	2.00E+00	µg/L	J	U	09-864	CAMO-09-2625	GELC
R-28	1781	934.3	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.2	—	—	2.00E+00	µg/L	J	J	09-257	CAMO-09-808	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	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	01/26/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0171	5.27E-03	5.82E-02	—	pCi/L	U	U	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.207	4.00E-01	4.23E+00	—	pCi/L	U	U	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0214	3.77E-01	4.17E+00	—	pCi/L	U	U	154759	GU06010G28R01	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	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	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	09/01/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	9.29	3.57E-01	3.32E+00	—	pCi/L	—	J	144739	GF05080G28R01	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	09/01/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	12.4	5.77E-01	5.34E+00	—	pCi/L	—	J	144739	GU05080G28R01	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	01/26/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	142	9.20E+01	3.36E+02	—	pCi/L	U	U	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12	3.16E+00	3.22E+01	—	pCi/L	U	U	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.15E-03	7.73E-02	—	pCi/L	U	U	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0193	3.73E-03	8.49E-02	—	pCi/L	U	U	154759	GU06010G28R01	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	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	U	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	01/26/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	31.1	4.03E+00	5.02E+01	—	pCi/L	U	U	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.13	4.43E-01	3.90E+00	—	pCi/L	U	U	154759	GU06010G28R01	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	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
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	01/26/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0699	2.43E-02	3.25E-01	—	pCi/L	U	U	154759	GU06010G28R01	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0065	2.90E-03	1.10E-01	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0366	3.20E-03	1.20E-01	—	pCi/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.00476	1.57E-03	4.20E-02	—	pCi/L	U	U	09-2878	CAMO-09-9546	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/17/07	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	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	01/26/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.761	2.67E-02	1.58E-01	—	pCi/L	—	—	154759	GU06010G28R01	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	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	01/26/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0305	7.37E-03	7.64E-02	—	pCi/L	U	U	154759	GU06010G28R01	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	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-28	1781	934.3	01/26/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.316	1.54E-02	8.83E-02	—	pCi/L	—	—	154759	GU06010G28R01	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.1	—	—	7.30E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.4	—	—	7.30E-01	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.4	—	—	7.30E-01	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.5	—	—	7.30E-01	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	3.00E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	3.00E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	3.00E-02	mg/L	—	J+	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	3.00E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	3.00E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	3.00E-02	mg/L	—	J+	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.38	—	—	6.60E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.41	—	—	6.60E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.33	—	—	6.60E-02	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.414	—	—	3.30E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.292	—	—	3.30E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.254	—	—	3.30E-02	mg/L	—	J-	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.5	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.3	—	—	3.50E-01	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.7	—	—	3.50E-01	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.7	—	—	3.50E-01	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-268	CAMO-09-793	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	8.50E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	8.50E-02	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	8.50E-02	mg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	5.00E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.487	—	—	5.00E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.575	—	—	5.00E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.615	—	—	5.00E-02	mg/L	—	J	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.404	—	—	5.00E-02	µg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	µg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.409	—	—	5.00E-02	µg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.361	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	5.00E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	J	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	4.50E-02	mg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	4.50E-02	mg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	J	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	µS/cm	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00E+00	µS/cm	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	144	—	—	1.00E+00	µS/cm	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	µS/cm	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.92	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.24	—	—	1.00E-01	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	1.00E-01	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.16	—	—	1.00E-01	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.15	—	—	1.00E-01	mg/L	—	J-	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	J	08-1685	CAMO-08-14510	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.741	—	—	3.30E-01	mg/L	J	J	09-1763	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	09-966	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.929	—	—	3.30E-01	mg/L	J	J	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.26	—	—	3.30E-01	mg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.72	—	—	1.00E-02	SU	H	J-	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.3	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	µg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.7	—	—	1.00E+00	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.3	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.4	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	µg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.7	—	—	1.00E+00	µg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.8	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.96	—	—	2.50E+00	µg/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.62	—	—	1.50E+00	µg/L	—	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	1.50E+00	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.5	—	—	1.50E+00	µg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.5	—	—	1.50E+00	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	2.50E+00	µg/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.03	—	—	1.50E+00	µg/L	—	U	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.7	—	—	1.50E+00	µg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	1.50E+00	µg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.8	—	—	1.50E+00	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	µg/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	30	—	—	2.50E+01	µg/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	27.7	—	—	2.50E+01	µg/L	J	J	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.9	—	—	2.50E+01	µg/L	J	J	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	153	—	—	2.50E+01	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	µg/L	—	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	µg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	1.00E-01	µg/L	—	U	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	µg/L	—	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	µg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.3	—	—	1.00E-01	µg/L	—	U	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	µg/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.984	—	—	5.00E-01	µg/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.8	—	—	5.00E-01	µg/L	J	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	µg/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	5.00E-01	µg/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	J	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.9	—	—	5.00E-01	µg/L	—	—	09-268	CAMO-09-793	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.6	—	—	3.20E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	3.20E-02	mg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.8	—	—	3.20E-02	mg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.8	—	—	3.20E-02	mg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.3	—	—	1.00E+00	µg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.3	—	—	1.00E+00	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.9	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.5	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	µg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	µg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.951	—	—	5.00E-02	µg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.855	—	—	5.00E-02	µg/L	—	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.88	—	—	5.00E-02	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.74	—	—	5.00E-02	µg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.956	—	—	5.00E-02	µg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.897	—	—	5.00E-02	µg/L	—	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	µg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.78	—	—	5.00E-02	µg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.76	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.13	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.57	—	—	1.00E+00	µg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6	—	—	1.00E+00	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.8	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.99	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	µg/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	µg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.7	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.66	—	—	3.30E+00	µg/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.67	—	—	2.00E+00	µg/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	2.00E+00	µg/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.9	—	—	2.00E+00	µg/L	J	J	09-268	CAMO-09-794	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25	—	—	2.00E+00	µg/L	—	—	08-1685	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.15	—	—	3.30E+00	µg/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.28	—	—	2.00E+00	µg/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.5	—	—	2.00E+00	µg/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.9	—	—	2.00E+00	µg/L	—	—	09-268	CAMO-09-793	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.4	—	—	2.00E+00	µg/L	—	—	08-1685	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000537	1.57E-03	3.90E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00379	4.67E-03	5.70E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0201	4.00E-03	3.20E-02	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00793	1.73E-03	3.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0111	1.90E-03	4.40E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00357	5.00E-03	6.70E-02	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0231	4.00E-03	3.00E-02	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.41	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.94	4.00E-01	3.20E+00	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.09	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1683	CAMO-08-14510	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	4.67E-01	4.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.794	4.33E-01	4.20E+00	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.1	4.67E-01	4.10E+00	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.71	3.33E-01	3.90E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.35	4.67E-01	4.60E+00	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.39	4.00E-01	4.40E+00	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.84	4.67E-01	5.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.226	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.48	5.00E-01	4.30E+00	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.275	5.00E-01	5.00E+00	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.41	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.03	2.70E-01	2.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.28	1.63E-01	1.20E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.27E-01	2.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	09/14/05	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.93	2.76E-01	3.43E+00	—	pCi/L	U	U	145739	GF0509G33R101	GELC
R-33	5491	995.5	06/27/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.54	1.95E-01	2.03E+00	—	pCi/L	—	J	139722	GF0506G33R101	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.4	3.27E-01	2.90E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.14	2.47E-01	2.10E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	09/14/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.23	2.16E-01	2.68E+00	—	pCi/L	U	U	145739	GU0509G33R101	GELC
R-33	5491	995.5	06/27/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.64	2.22E-01	2.31E+00	—	pCi/L	—	J	139722	GU0506G33R101	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.6	4.67E+00	2.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	22.2	8.67E+00	5.70E+01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	3.75	1.00E+01	1.30E+01	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	27.9	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	33.4	7.67E+00	6.70E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.6	6.00E+00	3.30E+01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.7	3.33E+00	2.60E+01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.38	3.20E+00	3.10E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.53	2.80E+00	2.80E+01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.25	3.00E+00	3.00E+01	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.41	4.00E+00	3.60E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.13	3.67E+00	3.60E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-20.2	3.67E+00	3.30E+01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.04	3.67E+00	3.50E+01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00433	1.03E-03	3.40E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00484	4.00E-03	3.50E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.73E-03	2.30E-02	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00234	1.73E-03	3.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00834	4.33E-03	3.30E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00513	1.20E-03	3.70E-02	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00853	1.40E-03	2.40E-02	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00433	1.43E-03	4.20E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0169	3.33E-03	4.80E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00328	1.10E-03	2.80E-02	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00234	1.10E-03	4.60E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0104	2.10E-03	4.00E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00256	1.90E-03	5.10E-02	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0017	8.00E-04	2.90E-02	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	3.82	5.67E+00	5.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	6.8	5.67E+00	6.20E+01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.66	5.33E+00	5.10E+01	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.99	5.67E+00	5.50E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.6	5.33E+00	5.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12	5.33E+00	3.70E+01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.95	7.33E+00	7.10E+01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	06/27/05	WG	F	CS	—	Rad	EPA:903.1	Radium-226	—	0.579	6.80E-02	5.35E-01	—	pCi/L	—	J	139722	GF0506G33R101	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0936	3.67E-02	3.80E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0296	3.67E-02	4.80E-01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	06/27/05	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.706	7.20E-02	5.07E-01	—	pCi/L	—	J	139722	GU0506G33R101	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.336	9.67E-02	9.90E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.141	5.33E-02	5.60E-01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.935	3.67E-01	4.00E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.317	4.67E-01	3.80E+00	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.013	3.33E-01	3.30E+00	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.3	5.00E-01	4.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.01	4.33E-01	4.90E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.213	4.33E-01	4.00E+00	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.353	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.209	4.00E-02	4.00E-01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.171	4.67E-02	4.70E-01	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0451	3.07E-02	3.50E-01	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.269	3.67E-02	4.50E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0185	3.67E-02	3.90E-01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0624	4.00E-02	4.10E-01	—	pCi/L	U	U	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0692	3.67E-02	4.00E-01	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.0134	2.57E-03	1.20E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0264	2.97E-03	1.30E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.00984	1.67E-03	4.40E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.402	1.43E-02	9.60E-02	—	pCi/L	—	—	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.476	1.40E-02	5.70E-02	—	pCi/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.484	1.43E-02	7.20E-02	—	pCi/L	—	—	08-1683	CAMO-08-14510	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
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.492	1.57E-02	8.90E-02	—	pCi/L	—	—	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.477	1.40E-02	6.10E-02	—	pCi/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.454	1.33E-02	6.90E-02	—	pCi/L	—	—	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00295	3.67E-03	4.50E-02	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0165	1.87E-03	2.60E-02	—	pCi/L	U	U	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0206	2.47E-03	3.80E-02	—	pCi/L	U	U	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0187	3.30E-03	4.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00815	1.57E-03	4.10E-02	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0334	2.80E-03	2.80E-02	—	pCi/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0173	2.20E-03	3.70E-02	—	pCi/L	U	U	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.263	1.07E-02	4.80E-02	—	pCi/L	—	—	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	02/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.275	9.33E-03	3.40E-02	—	pCi/L	—	—	09-967	CAMO-09-2864	GELC
R-33	5491	995.5	08/14/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.233	8.67E-03	3.80E-02	—	pCi/L	—	—	08-1683	CAMO-08-14510	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.275	1.10E-02	4.80E-02	—	pCi/L	—	—	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.33E-03	4.40E-02	—	pCi/L	—	—	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.297	1.00E-02	3.60E-02	—	pCi/L	—	—	09-967	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.256	9.00E-03	3.60E-02	—	pCi/L	—	—	08-1683	CAMO-08-14509	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	FD	Voa	SW-846:8260B	Chloromethane	—	0.36	—	—	3.00E-01	µg/L	J	J	09-2889	CAMO-09-9577	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-1763	CAMO-09-8200	GELC
R-33	5491	995.5	02/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-966	CAMO-09-2865	GELC
R-33	5491	995.5	08/14/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1684	CAMO-08-14509	GELC
R-33	5491	995.5	11/08/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-141	CASA-08-8078	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.6	—	—	7.30E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.8	—	—	7.30E-01	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.9	—	—	7.30E-01	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.6	—	—	7.30E-01	mg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	3.00E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.00E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	3.00E-02	mg/L	—	J+	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	08-1685	CAMO-08-14513	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	3.00E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.00E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	3.00E-02	mg/L	—	J+	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	3.00E-02	mg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.92	—	—	6.60E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.02	—	—	6.60E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.04	—	—	6.60E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.94	—	—	6.60E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.95	—	—	6.60E-02	mg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.425	—	—	3.30E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.394	—	—	3.30E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.223	—	—	3.30E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.284	—	—	3.30E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.253	—	—	3.30E-02	mg/L	—	J-	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.6	—	—	3.50E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	3.50E-01	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.7	—	—	3.50E-01	mg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.3	—	—	3.50E-01	mg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	3.50E-01	mg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	8.50E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.36	—	—	8.50E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	8.50E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.314	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.448	—	—	5.00E-02	mg/L	—	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.304	—	—	5.00E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.339	—	—	5.00E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0485	—	—	1.00E-02	mg/L	J	U	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.38	—	—	5.00E-02	µg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.362	—	—	5.00E-02	µg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.376	—	—	5.00E-02	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.374	—	—	5.00E-02	µg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.334	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.2	—	—	5.00E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.35	—	—	5.00E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.35	—	—	5.00E-02	mg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.36	—	—	5.00E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.42	—	—	5.00E-02	mg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	4.50E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	J	08-1685	CAMO-08-14513	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	05/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	J	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	µS/cm	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	141	—	—	1.00E+00	µS/cm	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	µS/cm	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.17	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.35	—	—	1.00E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.16	—	—	1.00E-01	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.22	—	—	1.00E-01	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.29	—	—	1.00E-01	mg/L	—	J-	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	J	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	147	—	—	2.40E+00	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	J	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.94	—	—	1.00E-02	SU	H	J-	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.59	—	—	1.50E+00	µg/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.1	—	—	1.50E+00	µg/L	J	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.9	—	—	1.50E+00	µg/L	J	J	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	µg/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	1.6	—	—	1.50E+00	µg/L	J	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.1	—	—	1.50E+00	µg/L	J	J	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	µg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.5	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.7	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	µg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1.00E+00	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.5	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6	—	—	2.50E+00	µg/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.52	—	—	1.50E+00	µg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	1.50E+00	µg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8	—	—	1.50E+00	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	µg/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.22	—	—	1.50E+00	µg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6	—	—	1.50E+00	µg/L	—	—	09-268	CAMO-09-796	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.5	—	—	1.50E+00	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	43.1	—	—	2.50E+01	µg/L	J	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	28.6	—	—	2.50E+01	µg/L	J	J	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.3	—	—	3.00E+01	µg/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	48.1	—	—	2.50E+01	µg/L	J	J	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.979	—	—	1.00E-01	µg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.95	—	—	1.00E-01	µg/L	—	U	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.998	—	—	1.00E-01	µg/L	—	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.995	—	—	1.00E-01	µg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.00E-01	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1	—	—	1.00E-01	µg/L	—	U	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.97	—	—	1.00E-01	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	µg/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.75	—	—	5.00E-01	µg/L	J	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	µg/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.84	—	—	5.00E-01	µg/L	J	J	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.5	—	—	5.30E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.7	—	—	3.20E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.4	—	—	3.20E-02	mg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	83.3	—	—	3.20E-02	mg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.2	—	—	3.20E-02	mg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.8	—	—	1.00E+00	µg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.5	—	—	1.00E+00	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	46.1	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.7	—	—	1.00E+00	µg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.6	—	—	1.00E+00	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.6	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	5.00E-02	µg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.01	—	—	5.00E-02	µg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.89	—	—	5.00E-02	µg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.82	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	µg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.01	—	—	5.00E-02	µg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.9	—	—	5.00E-02	µg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.79	—	—	5.00E-02	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.63	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.05	—	—	1.00E+00	µg/L	—	—	09-1739	CAMO-09-8203	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	µg/L	—	—	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	11/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-795	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.1	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14513	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.74	—	—	1.00E+00	µg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	µg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6	—	—	1.00E+00	µg/L	—	—	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	11/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.5	—	—	1.00E+00	µg/L	—	—	09-268	CAMO-09-796	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	µg/L	—	—	08-1685	CAMO-08-14514	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000644	7.67E-04	4.00E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0153	2.37E-03	3.80E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00662	3.17E-03	3.00E-02	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000983	1.29E-03	3.38E-02	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00659	1.60E-03	3.20E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00101	8.00E-04	4.10E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0109	2.40E-03	4.30E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00778	5.00E-03	3.30E-02	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00715	1.13E-03	3.83E-02	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.74	5.00E-01	4.20E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.29	5.67E-01	4.80E+00	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.65	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0849	6.93E-01	4.11E+00	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.438	5.67E-01	5.30E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.47	6.00E-01	5.30E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.47	5.00E-01	4.70E+00	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.303	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.77	4.73E-01	5.20E+00	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.75	4.67E-01	4.00E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.12	5.33E-01	4.90E+00	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.23	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.594	4.53E-01	4.29E+00	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.784	5.67E-01	5.50E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.889	5.00E-01	5.20E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.04	5.00E-01	4.10E+00	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.5	5.00E-01	5.70E+00	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0944	4.50E-01	4.37E+00	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.707	1.60E-01	1.60E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.452	1.23E-01	1.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.592	1.43E-01	1.40E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.27	2.80E-01	2.10E+00	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.62	1.99E-01	1.69E+00	—	pCi/L	—	J, J-	192972	GF07080G33R201	GELC
R-33	5501	1112.4	09/15/05	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.68	2.26E-01	2.61E+00	—	pCi/L	—	J	145739	GF0509G33R201	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	05/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.77	4.00E-01	2.90E+00	—	pCi/L	—	—	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.66	2.07E-01	1.83E+00	—	pCi/L	—	J-, J	192972	GU07080G33R201	GELC
R-33	5501	1112.4	02/14/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.96	2.40E-01	2.46E+00	—	pCi/L	—	J	156255	GU0602G33R201	GELC
R-33	5501	1112.4	09/15/05	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.4	2.18E-01	2.41E+00	—	pCi/L	—	J	145739	GU0509G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	191	2.07E+01	9.50E+01	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	52.4	4.67E+00	6.70E+01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	19.1	5.67E+00	3.90E+01	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	59.2	2.21E+01	1.63E+02	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	101	1.07E+01	8.90E+01	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	197	2.23E+01	1.20E+02	—	pCi/L	—	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	127	3.20E+01	1.10E+02	—	pCi/L	—	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	23.7	4.67E+00	3.10E+01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80.2	2.10E+01	2.54E+02	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.32	4.00E+00	4.00E+01	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.87	4.00E+00	3.90E+01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.03	4.00E+00	3.40E+01	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.38	3.97E+00	3.48E+01	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	4.33E+00	4.00E+01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	42.3	5.00E+00	5.00E+01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.13	3.67E+00	3.60E+01	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.99	3.27E+00	3.20E+01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.85	4.30E+00	3.22E+01	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00967	3.67E-03	3.80E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00814	1.63E-03	2.30E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00159	5.33E-04	2.20E-02	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0128	1.63E-03	3.51E-02	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00439	1.47E-03	3.50E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0314	4.33E-03	3.80E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.33E-03	2.40E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00693	1.17E-03	2.40E-02	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00532	1.57E-03	3.40E-02	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0121	2.43E-03	4.60E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00163	1.20E-03	3.30E-02	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	5.33E-04	2.70E-02	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00732	1.73E-03	3.22E-02	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00438	1.47E-03	4.30E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0121	2.67E-03	4.60E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.007	1.17E-03	3.50E-02	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	8.33E-04	3.00E-02	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00532	1.03E-03	3.12E-02	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-26.3	6.00E+00	6.00E+01	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.52	6.33E+00	6.60E+01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	15.4	6.00E+00	6.40E+01	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.13	6.30E+00	6.95E+01	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.6	7.00E+00	6.90E+01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-35.2	6.00E+00	5.30E+01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.7	6.67E+00	6.10E+01	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-58.7	5.67E+00	5.00E+01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.52	5.80E+00	5.49E+01	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	06/24/05	WG	F	CS	—	Rad	EPA:903.1	Radium-226	<	0.534	7.57E-02	6.41E-01	—	pCi/L	U	U	139551	GF0506G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.442	4.67E-02	3.40E-01	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.196	4.33E-02	4.30E-01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	11/19/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.507	7.33E-02	6.30E-01	—	pCi/L	U	U	08-218	CASA-08-8060	GELC
R-33	5501	1112.4	06/24/05	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.191	5.53E-02	7.58E-01	—	pCi/L	U	U	139551	GU0506G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.372	8.33E-02	8.10E-01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.707	8.67E-02	7.50E-01	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	11/19/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.423	5.67E-02	5.00E-01	—	pCi/L	U	U	08-218	CASA-08-8060	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	4.67E-01	4.90E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.281	5.33E-01	5.40E+00	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.37	4.67E-01	4.20E+00	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.267	4.87E-01	4.76E+00	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.77	5.00E-01	5.40E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	5.33E-01	4.80E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	02/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.24	5.00E-01	4.10E+00	—	pCi/L	U	U	09-797	CAMO-09-2868	GELC
R-33	5501	1112.4	08/14/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.02	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1683	CAMO-08-14514	GELC
R-33	5501	1112.4	08/30/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0355	5.60E-01	4.74E+00	—	pCi/L	U	U	192972	GU07080G33R201	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0924	4.00E-02	4.20E-01	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	02/03/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0744	4.67E-02	4.60E-01	—	pCi/L	U	U	09-797	CAMO-09-2867	GELC
R-33	5501	1112.4	08/14/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.101	3.33E-02	4.40E-01	—	pCi/L	U	U	08-1683	CAMO-08-14513	GELC
R-33	5501	1112.4	08/30/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0755	1.69E-02	1.79E-01	—	pCi/L	U	U	192972	GF07080G33R201	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.29	4.67E-02	4.60E-01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00608	4.33E-02	4.70E-01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.362	—	—	3.30E-02	mg/L	—	J-	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.1	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.5	—	—	3.50E-01	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.1	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	3.50E-01	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.5	—	—	3.50E-01	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.398	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.492	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.467	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.304	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.31	—	—	5.00E-02	µg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.316	—	—	5.00E-02	µg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.356	—	—	5.00E-02	µg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.287	—	—	5.00E-02	µg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.92	—	—	4.50E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.86	—	—	4.50E-02	mg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	µS/cm	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	µS/cm	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	µS/cm	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	156	—	—	1.00E+00	µS/cm	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	µS/cm	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.58	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/12/09	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	02/12/09	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	2.71	---	---	1.00E-01	mg/L	---	---	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	2.73	---	---	1.00E-01	mg/L	---	---	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Geninorg	EPA:300.0	Sulfate	---	2.72	---	---	1.00E-01	mg/L	---	J-	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	---	Geninorg	EPA:160.1	Total Dissolved Solids	---	158	---	---	2.40E+00	mg/L	---	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Geninorg	EPA:160.1	Total Dissolved Solids	---	142	---	---	2.40E+00	mg/L	---	J	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Geninorg	EPA:160.1	Total Dissolved Solids	---	143	---	---	2.40E+00	mg/L	---	J	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	---	Geninorg	EPA:150.1	pH	---	8.46	---	---	1.00E-02	SU	H	J-	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	---	Geninorg	EPA:150.1	pH	---	8.34	---	---	1.00E-02	SU	H	J-	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	---	Geninorg	EPA:150.1	pH	---	8.51	---	---	1.00E-02	SU	H	J-	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Geninorg	EPA:150.1	pH	---	8.43	---	---	1.00E-02	SU	H	J-	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Geninorg	EPA:150.1	pH	---	8.36	---	---	1.00E-02	SU	H	J-	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	---	Metals	SW-846:6010B	Aluminum	<	200	---	---	6.80E+01	µg/L	U	U	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	---	Metals	SW-846:6010B	Aluminum	<	200	---	---	6.80E+01	µg/L	U	U	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Metals	SW-846:6010B	Aluminum	<	200	---	---	6.80E+01	µg/L	U	U	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Metals	SW-846:6010B	Aluminum	<	200	---	---	6.80E+01	µg/L	U	U	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Aluminum	---	142	---	---	6.80E+01	µg/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Aluminum	---	72.1	---	---	6.80E+01	µg/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Aluminum	---	77.9	---	---	6.80E+01	µg/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	---	Metals	SW-846:6010B	Aluminum	---	229	---	---	6.80E+01	µg/L	---	---	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	---	Metals	SW-846:6010B	Aluminum	<	200	---	---	6.80E+01	µg/L	U	U	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	---	Metals	SW-846:6010B	Barium	---	27.8	---	---	1.00E+00	µg/L	---	---	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	---	Metals	SW-846:6010B	Barium	---	28.9	---	---	1.00E+00	µg/L	---	---	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	---	Metals	SW-846:6010B	Barium	---	29.2	---	---	1.00E+00	µg/L	---	---	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Metals	SW-846:6010B	Barium	---	29.2	---	---	1.00E+00	µg/L	---	---	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Metals	SW-846:6010B	Barium	---	29.2	---	---	1.00E+00	µg/L	---	---	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Barium	---	28.9	---	---	1.00E+00	µg/L	---	---	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Barium	---	29.9	---	---	1.00E+00	µg/L	---	---	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Barium	---	30.4	---	---	1.00E+00	µg/L	---	---	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	---	Metals	SW-846:6010B	Barium	---	30.8	---	---	1.00E+00	µg/L	---	---	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	---	Metals	SW-846:6010B	Barium	---	30.2	---	---	1.00E+00	µg/L	---	---	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	---	Metals	SW-846:6010B	Boron	---	16	---	---	1.50E+01	µg/L	J	J	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	---	Metals	SW-846:6010B	Boron	---	20.4	---	---	1.00E+01	µg/L	J	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	---	Metals	SW-846:6010B	Boron	---	11.1	---	---	1.00E+01	µg/L	J	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Metals	SW-846:6010B	Boron	<	50	---	---	1.00E+01	µg/L	U	U	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Metals	SW-846:6010B	Boron	---	13.6	---	---	1.00E+01	µg/L	J	J	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Boron	---	16	---	---	1.50E+01	µg/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Boron	---	19.7	---	---	1.00E+01	µg/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Boron	---	11.5	---	---	1.00E+01	µg/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	---	Metals	SW-846:6010B	Boron	<	50	---	---	1.00E+01	µg/L	U	U	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	---	Metals	SW-846:6010B	Boron	---	12.9	---	---	1.00E+01	µg/L	J	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	---	Metals	SW-846:6010B	Iron	<	100	---	---	2.50E+01	µg/L	U	U	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	---	Metals	SW-846:6010B	Iron	<	100	---	---	2.50E+01	µg/L	U	U	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Metals	SW-846:6010B	Iron	<	100	---	---	2.50E+01	µg/L	U	U	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Metals	SW-846:6010B	Iron	<	100	---	---	2.50E+01	µg/L	U	U	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Iron	---	132	---	---	3.00E+01	µg/L	---	---	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Iron	---	43.2	---	---	2.50E+01	µg/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Iron	---	62.3	---	---	2.50E+01	µg/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	---	Metals	SW-846:6010B	Iron	---	133	---	---	2.50E+01	µg/L	---	---	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	---	Metals	SW-846:6010B	Iron	---	32	---	---	2.50E+01	µg/L	J	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	---	Metals	SW-846:6010B	Manganese	<	10	---	---	2.00E+00	µg/L	U	U	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	---	Metals	SW-846:6010B	Manganese	<	10	---	---	2.00E+00	µg/L	U	U	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	---	Metals	SW-846:6010B	Manganese	<	10	---	---	2.00E+00	µg/L	U	U	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	---	Metals	SW-846:6010B	Manganese	<	10	---	---	2.00E+00	µg/L	U	U	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	---	Metals	SW-846:6010B	Manganese	---	2.36	---	---	2.00E+00	µg/L	J	J	09-2857	CAMO-09-9563	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.42	—	—	2.00E+00	µg/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	µg/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.5	—	—	2.00E+00	µg/L	J	J	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	µg/L	J	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	µg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	µg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	µg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	µg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	3.20E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.4	—	—	3.20E-02	mg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	3.20E-02	mg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.5	—	—	1.00E+00	µg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.4	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.7	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.2	—	—	1.00E+00	µg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.9	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.6	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1.00E+00	µg/L	—	—	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	µg/L	—	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	5.00E-02	µg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	µg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.38	—	—	5.00E-02	µg/L	—	U	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	µg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.596	—	—	5.00E-02	µg/L	—	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	µg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	µg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.38	—	—	5.00E-02	µg/L	—	U	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.49	—	—	1.00E+00	µg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.4	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-819	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.3	—	—	1.00E+00	µg/L	—	J	08-1698	CAMO-08-14545	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	µg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1.00E+00	µg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	µg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	11/04/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	µg/L	—	—	09-216	CAMO-09-818	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.1	—	—	1.00E+00	µg/L	—	J	08-1698	CAMO-08-14546	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0198	4.33E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000236	2.20E-04	3.61E-02	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00857	3.50E-03	3.17E-02	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00743	1.20E-03	2.34E-02	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00821	3.30E-03	3.20E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00496	3.67E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00265	7.60E-04	3.83E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00715	2.64E-03	3.35E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	07/17/06	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00655	2.35E-03	3.15E-02	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.02	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.64	4.23E-01	4.47E+00	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.23	4.57E-01	3.88E+00	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.53	5.13E-01	3.55E+00	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.29	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.26	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.45	4.17E-01	3.48E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.381	4.10E-01	4.10E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.66	3.80E-01	4.16E+00	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.593	4.67E-01	5.00E+00	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.236	4.60E-01	4.57E+00	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.75	4.97E-01	4.21E+00	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.498	3.90E-01	4.56E+00	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.16	3.67E-01	4.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0627	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.228	4.37E-01	4.40E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.26	4.80E-01	4.79E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.568	3.47E-01	4.09E+00	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.389	9.00E-02	8.80E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.35	2.58E-01	2.52E+00	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.76	3.20E-01	2.97E+00	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.61	2.69E-01	2.88E+00	—	pCi/L	—	J	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	3.78	4.33E-01	3.70E+00	—	pCi/L	—	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.13	2.08E-01	2.01E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.65	3.01E-01	2.78E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.89	2.83E-01	3.37E+00	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	01/31/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.55	1.68E-01	1.55E+00	—	pCi/L	—	J	155166	GU06010G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	14	6.00E+00	3.00E+01	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	98.9	2.85E+01	2.58E+02	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	54.3	1.40E+01	1.73E+02	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	89.2	2.79E+01	3.22E+02	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	38	5.00E+00	5.00E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.6	8.67E+00	5.00E+01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69.5	1.30E+01	2.06E+02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.9	2.13E+01	1.62E+02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	87.5	2.66E+01	3.10E+02	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.89	3.00E+00	2.80E+01	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.12	3.83E+00	3.38E+01	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.2	3.32E+00	3.07E+01	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.6	2.81E+00	3.00E+01	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.39	3.33E+00	3.20E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.4	3.67E+00	3.20E+01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.08	3.37E+00	3.18E+01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.58	3.67E+00	3.47E+01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.75	2.60E+00	2.65E+01	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	1.13E-10	9.00E-04	2.60E-02	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.88E-03	3.12E-02	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.08E-03	2.52E-02	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0112	4.30E-03	2.15E-02	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0023	2.97E-03	3.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00172	1.50E-03	2.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00659	1.74E-03	3.16E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00721	1.90E-03	2.52E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00372	1.24E-03	1.79E-02	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00189	1.40E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0163	2.31E-03	2.87E-02	—	pCi/L	U	U	191665	GF070800G34R01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	06/20/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00902	2.00E-03	2.80E-02	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0157	2.90E-03	2.51E-02	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0023	2.03E-03	4.50E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.04E-10	1.13E-03	2.90E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00494	1.46E-03	2.90E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0018	1.59E-03	2.80E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00186	2.23E-03	2.08E-02	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.5	6.33E+00	6.30E+01	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	13.2	6.03E+00	3.53E+01	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.5	5.60E+00	5.00E+01	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	27.4	4.87E+00	5.97E+01	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-33.5	5.67E+00	4.70E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.62	5.67E+00	4.70E+01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24	5.30E+00	5.74E+01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.7	4.37E+00	4.46E+01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.62	7.17E+00	2.98E+01	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.174	3.67E-02	3.50E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0395	5.33E-02	6.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	02/19/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.375	5.00E-02	4.20E-01	—	pCi/L	U	U	08-649	CAMO-08-10451	GELC
R-34	1791	883.7	11/14/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.819	8.67E-02	6.60E-01	—	pCi/L	—	—	08-182	CAMO-08-8647	GELC
R-34	1791	883.7	11/29/05	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	—	13.3	1.19E+00	6.65E+00	—	pCi/L	—	J	151032	GU05110G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.82	1.50E-01	1.10E+00	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0656	5.67E-02	6.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	02/19/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.242	6.33E-02	7.70E-01	—	pCi/L	U	U	08-649	CAMO-08-10451	GELC
R-34	1791	883.7	11/14/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.299	7.33E-02	7.20E-01	—	pCi/L	U	U	08-182	CAMO-08-8647	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.547	3.67E-01	4.00E+00	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.204	4.07E-01	3.90E+00	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.84	4.60E-01	4.22E+00	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.613	3.80E-01	4.14E+00	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.148	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.339	3.33E-01	3.60E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.18	4.13E-01	4.45E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.41	2.42E-01	2.58E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.941	3.60E-01	4.31E+00	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0151	2.77E-02	3.20E-01	—	pCi/L	U	U	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.184	3.97E-02	4.57E-01	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.117	2.99E-02	3.64E-01	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0126	2.93E-02	3.52E-01	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0857	3.27E-02	3.50E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0345	2.60E-02	3.10E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0749	3.77E-02	3.99E-01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00326	3.08E-02	3.52E-01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.321	4.23E-02	4.59E-01	—	pCi/L	U	J+, U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0212	4.33E-03	9.10E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.00881	2.83E-03	9.90E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.00242	1.07E-03	3.30E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.385	1.13E-02	5.80E-02	—	pCi/L	—	—	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.287	1.32E-02	4.88E-02	—	pCi/L	—	—	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.312	1.08E-02	3.40E-02	—	pCi/L	—	—	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.37	1.14E-02	4.48E-02	—	pCi/L	—	—	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.279	1.10E-02	9.00E-02	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.301	1.00E-02	6.00E-02	—	pCi/L	—	—	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.307	1.31E-02	4.49E-02	—	pCi/L	—	—	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.369	1.17E-02	3.17E-02	—	pCi/L	—	—	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.371	1.16E-02	4.40E-02	—	pCi/L	—	—	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0559	3.67E-03	3.10E-02	—	pCi/L	—	—	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0121	2.92E-03	4.17E-02	—	pCi/L	U	U	191665	GF070800G34R01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	06/20/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0177	2.42E-03	4.55E-02	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00797	2.94E-03	3.78E-02	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0058	2.37E-03	4.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00652	3.00E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0443	5.10E-03	3.83E-02	—	pCi/L	—	J	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.011	3.43E-03	4.24E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0183	3.15E-03	3.71E-02	—	pCi/L	U	U	167437	GU060500G34R01	GELC
R-34	1791	883.7	08/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.129	5.67E-03	3.00E-02	—	pCi/L	—	—	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	08/14/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.166	9.90E-03	6.53E-02	—	pCi/L	—	J	191665	GF070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.124	6.20E-03	4.52E-02	—	pCi/L	—	J	188434	GF070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.159	7.10E-03	4.77E-02	—	pCi/L	—	—	167437	GF060500G34R01	GELC
R-34	1791	883.7	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.122	6.67E-03	4.40E-02	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	08/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.116	6.33E-03	3.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	08/14/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.149	8.87E-03	5.99E-02	—	pCi/L	—	J	191665	GU070800G34R01	GELC
R-34	1791	883.7	06/20/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	7.77E-03	4.22E-02	—	pCi/L	—	—	188434	GU070600G34R01	GELC
R-34	1791	883.7	07/17/06	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.169	7.17E-03	4.68E-02	—	pCi/L	—	—	167437	GU060500G34R01	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00000298	—	—	2.98E-06	µg/L	J	J	09-2893	CAMO-09-9568	ALTC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000235	—	—	2.35E-06	µg/L	U	U	09-975	CAMO-09-2870	ALTC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000197	—	—	1.97E-06	µg/L	U	U	09-83	CAMO-08-16440	ALTC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.3	—	—	7.30E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	7.30E-01	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.179	—	—	6.60E-02	mg/L	J	J	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.102	—	—	6.70E-02	mg/L	J	J	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.193	—	—	6.70E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.14	—	—	6.70E-02	mg/L	J	J	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.7	—	—	3.00E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.7	—	—	3.00E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44	—	—	3.00E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.6	—	—	3.00E-02	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.3	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44	—	—	3.00E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.1	—	—	3.00E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44	—	—	3.00E-02	mg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.1	—	—	3.00E-02	mg/L	—	—	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.1	—	—	3.30E-01	mg/L	—	J+	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.7	—	—	3.30E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.7	—	—	6.60E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.5	—	—	1.30E-01	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.1	—	—	1.30E-01	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	3.30E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.365	—	—	3.30E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.259	—	—	3.30E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.372	—	—	3.30E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.324	—	—	3.30E-02	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	3.50E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	166	—	—	3.50E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	165	—	—	3.50E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	161	—	—	3.50E-01	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	147	—	—	3.50E-01	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	3.50E-01	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	167	—	—	3.50E-01	mg/L	—	—	09-974	CAMO-09-2870	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/20/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	161	—	—	3.50E-01	mg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	154	—	—	3.50E-01	mg/L	—	—	09-71	CAMO-08-16440	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	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.6	—	—	8.50E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.9	—	—	8.50E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.5	—	—	8.50E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-02	mg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.4	—	—	8.50E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.2	—	—	8.50E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.1	—	—	8.50E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.5	—	—	8.50E-02	mg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	8.50E-02	mg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.08	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	7.03	—	—	2.50E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.03	—	—	2.50E-01	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.83	—	—	2.50E-01	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6	—	—	1.00E-01	mg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.24	—	—	2.00E-01	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.28	—	—	1.00E-01	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.18	—	—	1.00E-01	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.18	—	—	1.00E-01	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.31	—	—	1.00E-01	µg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.17	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.3	—	—	5.00E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.31	—	—	5.00E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	5.00E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.19	—	—	5.00E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.31	—	—	5.00E-02	mg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.36	—	—	5.00E-02	mg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	4.50E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	4.50E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	4.50E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	4.50E-02	mg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	4.50E-02	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.9	—	—	4.50E-02	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	4.50E-02	mg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	4.50E-02	mg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	µS/cm	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	422	—	—	1.00E+00	µS/cm	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	419	—	—	1.00E+00	µS/cm	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	410	—	—	1.00E+00	µS/cm	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	406	—	—	1.00E+00	µS/cm	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.6	—	—	5.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	61	—	—	5.00E-01	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.9	—	—	1.00E+00	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	62.1	—	—	2.00E-01	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	61.4	—	—	2.00E-01	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	310	—	—	2.40E+00	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	323	—	—	2.40E+00	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	295	—	—	2.40E+00	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	303	—	—	2.40E+00	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	309	—	—	2.40E+00	mg/L	—	—	09-72	CAMO-08-16441	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.47	—	—	3.30E-01	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.17	—	—	3.30E-01	mg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.74	—	—	3.30E-01	mg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.84	—	—	3.30E-01	mg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.056	—	—	1.50E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.045	—	—	2.40E-02	mg/L	J	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.057	—	—	2.40E-02	mg/L	—	U	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	1.00E-02	SU	H	J-	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.7	—	—	1.00E-02	SU	H	J-	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J-	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.7	—	—	1.00E+00	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	80	—	—	1.00E+00	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	75.5	—	—	1.00E+00	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	81.5	—	—	1.00E+00	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	72	—	—	1.00E+00	µg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	78.2	—	—	1.00E+00	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	76.9	—	—	1.00E+00	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	75.8	—	—	1.00E+00	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	82.7	—	—	1.00E+00	µg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	75.5	—	—	1.00E+00	µg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	µg/L	J	J	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	25.2	—	—	1.00E+01	µg/L	J	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	29.5	—	—	1.00E+01	µg/L	J	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.4	—	—	1.00E+01	µg/L	J	J	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	µg/L	J	J	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	27.3	—	—	1.00E+01	µg/L	J	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	29.2	—	—	1.00E+01	µg/L	J	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.3	—	—	1.00E+01	µg/L	J	J	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1000	—	—	6.30E+01	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	955	—	—	2.50E+01	µg/L	—	—	09-2895	CAMO-09-10297	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	886	—	—	1.50E+00	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	863	—	—	1.50E+00	µg/L	—	—	09-1822	CAMO-09-11421	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	886	—	—	1.50E+00	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	830	—	—	1.50E+00	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	768	—	—	1.50E+00	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	758	—	—	1.50E+00	µg/L	—	—	09-357	CAMO-09-964	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	828	—	—	1.50E+00	µg/L	—	—	09-71	CAMO-08-16443	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	848	—	—	1.50E+00	µg/L	—	—	09-71	CAMO-08-16442	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	820	—	—	1.50E+00	µg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1000	—	—	6.30E+01	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	910	—	—	1.50E+00	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	856	—	—	1.50E+00	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	782	—	—	1.50E+00	µg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	808	—	—	1.50E+00	µg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.825	—	—	5.00E-01	µg/L	J	J	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.609	—	—	5.00E-01	µg/L	J	J	09-1821	CAMO-09-8209	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.83	—	—	5.00E-01	µg/L	J	J	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.8	—	—	5.00E-01	µg/L	J	J	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.7	—	—	5.00E-01	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.9	—	—	5.00E-01	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	10.9	—	—	5.00E-01	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.8	—	—	5.00E-01	µg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	9.95	—	—	5.00E-01	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.3	—	—	5.00E-01	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.2	—	—	5.00E-01	µg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.8	—	—	5.00E-01	µg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.2	—	—	5.30E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	3.20E-02	mg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	3.20E-02	mg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	3.20E-02	mg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	3.20E-02	mg/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	168	—	—	1.00E+00	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	168	—	—	1.00E+00	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	µg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	170	—	—	1.00E+00	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	µg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	168	—	—	1.00E+00	µg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.716	—	—	5.00E-02	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.68	—	—	5.00E-02	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.8	—	—	5.00E-02	µg/L	—	—	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.718	—	—	5.00E-02	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.577	—	—	5.00E-02	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	µg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.78	—	—	5.00E-02	µg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.14	—	—	1.00E+00	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.04	—	—	1.00E+00	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.1	—	—	1.00E+00	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6	—	—	1.00E+00	µg/L	—	U	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.08	—	—	1.00E+00	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.01	—	—	1.00E+00	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.2	—	—	1.00E+00	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.1	—	—	1.00E+00	µg/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.4	—	—	1.00E+00	µg/L	—	U	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.7	—	—	3.30E+00	µg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.4	—	—	2.00E+00	µg/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.1	—	—	2.00E+00	µg/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	17	—	—	2.00E+00	µg/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8	—	—	2.00E+00	µg/L	J	J	09-71	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.9	—	—	3.30E+00	µg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.7	—	—	2.00E+00	µg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.5	—	—	2.00E+00	µg/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25	—	—	2.00E+00	µg/L	—	—	09-357	CAMO-09-828	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	10/09/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.7	—	—	2.00E+00	µg/L	—	—	09-71	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00326	4.33E-03	4.60E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0322	3.67E-03	5.10E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00103	1.57E-03	2.20E-02	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000234	8.00E-04	2.30E-02	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00802	1.27E-03	3.40E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000857	3.33E-03	3.30E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00295	2.83E-03	4.20E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00617	1.87E-03	2.20E-02	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00324	8.00E-04	2.30E-02	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.68	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.61	4.33E-01	4.10E+00	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.88	4.67E-01	5.30E+00	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.46	5.33E-01	5.00E+00	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.55	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.354	4.00E-01	3.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.23	4.67E-01	4.80E+00	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.643	4.00E-01	4.20E+00	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.56	4.33E-01	4.80E+00	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.251	3.33E-01	3.40E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.484	4.33E-01	4.30E+00	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.27	6.33E-01	5.60E+00	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.411	4.67E-01	4.60E+00	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.66	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.41	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.42	5.67E-01	4.60E+00	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.627	3.67E-01	3.90E+00	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.65	5.33E-01	5.40E+00	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.349	2.13E-01	2.40E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	1.62	1.17E-01	6.30E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.69	2.43E-01	2.20E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.91	3.07E-01	2.60E+00	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.46	4.33E-01	3.70E+00	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.977	1.83E-01	1.80E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	63.9	1.20E+01	6.60E+01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	22.3	7.67E+00	4.60E+01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	18	1.10E+01	5.10E+01	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	15.8	2.90E+00	2.90E+01	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	59.3	2.07E+01	7.90E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	50.9	6.33E+00	6.50E+01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.82	1.33E+00	4.60E+00	—	pCi/L	—	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	8.2	1.77E+00	9.20E+00	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.5	3.67E+00	2.20E+01	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.42	3.67E+00	3.30E+01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.5	2.80E+00	2.90E+01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.06	3.33E+00	3.40E+01	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.29	3.00E+00	2.80E+01	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.9	3.10E+00	2.80E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.5	3.67E+00	3.40E+01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.62	3.27E+00	3.30E+01	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.44	3.67E+00	3.40E+01	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.37	3.03E+00	3.00E+01	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.30E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00328	2.67E-03	2.30E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00558	1.23E-03	2.70E-02	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0017	1.00E-03	2.60E-02	—	pCi/L	U	U	09-72	CAMO-08-16441	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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.10E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00358	1.90E-03	2.60E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.33E-04	2.80E-02	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00182	1.07E-03	2.80E-02	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0251	2.43E-03	4.00E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00328	1.53E-03	3.30E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00558	1.23E-03	3.20E-02	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0017	5.67E-04	2.90E-02	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00407	2.13E-03	4.00E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00997	1.50E-03	3.80E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00179	1.33E-03	3.60E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00952	1.70E-03	3.20E-02	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00182	1.07E-03	3.10E-02	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	26.9	6.00E+00	2.70E+01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.15	5.33E+00	5.70E+01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.4	5.33E+00	4.40E+01	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	44.9	6.00E+00	3.70E+01	—	pCi/L	U	R	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.9	4.67E+00	4.70E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	41.9	4.00E+00	4.70E+01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	17.6	6.00E+00	6.70E+01	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.89	5.33E+00	5.60E+01	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.3	5.67E+00	6.20E+01	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.27	3.33E-01	3.00E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0502	4.00E-01	4.00E+00	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.878	5.00E-01	4.60E+00	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.765	3.67E-01	3.30E+00	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.32	3.67E-01	4.00E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.409	4.00E-01	3.90E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.87	4.33E-01	3.30E+00	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.751	4.00E-01	4.10E+00	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.27	4.00E-01	4.10E+00	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.313	5.00E-02	4.80E-01	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0862	2.53E-02	3.50E-01	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00417	2.50E-02	2.60E-01	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.212	5.00E-02	4.90E-01	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.23	3.67E-02	4.50E-01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.265	5.00E-02	4.90E-01	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0883	2.67E-02	2.90E-01	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0839	3.23E-02	3.20E-01	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.145	4.67E-02	4.80E-01	—	pCi/L	U	U	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.00147	2.97E-03	1.30E-01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	—	0.168	8.00E-03	1.40E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.000175	1.23E-03	4.60E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.498	1.77E-02	1.20E-01	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.513	1.53E-02	6.30E-02	—	pCi/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.556	1.50E-02	6.00E-02	—	pCi/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.717	1.83E-02	6.10E-02	—	pCi/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.77E-02	1.10E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.529	1.83E-02	1.20E-01	—	pCi/L	—	—	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.488	1.50E-02	7.00E-02	—	pCi/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.37E-02	5.80E-02	—	pCi/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.6	1.53E-02	5.70E-02	—	pCi/L	—	—	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0152	2.57E-03	5.80E-02	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0121	1.93E-03	2.90E-02	—	pCi/L	U	U	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0278	2.80E-03	3.20E-02	—	pCi/L	U	U	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0302	2.77E-03	3.20E-02	—	pCi/L	U	U	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0185	3.67E-03	5.50E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.47E-03	5.60E-02	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0227	2.43E-03	3.30E-02	—	pCi/L	U	U	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0187	2.10E-03	3.10E-02	—	pCi/L	U	U	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.038	3.00E-03	3.00E-02	—	pCi/L	—	—	09-72	CAMO-08-16440	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.203	9.67E-03	6.20E-02	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.207	7.67E-03	3.70E-02	—	pCi/L	—	—	09-974	CAMO-09-2871	GELC
R-42	8591	931.8	11/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.239	8.33E-03	3.20E-02	—	pCi/L	—	—	09-357	CAMO-09-826	GELC
R-42	8591	931.8	10/09/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.255	8.67E-03	3.40E-02	—	pCi/L	—	—	09-72	CAMO-08-16441	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.209	1.03E-02	5.50E-02	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.229	1.03E-02	6.00E-02	—	pCi/L	—	—	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.204	8.00E-03	4.20E-02	—	pCi/L	—	—	09-974	CAMO-09-2870	GELC
R-42	8591	931.8	11/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.203	7.33E-03	3.10E-02	—	pCi/L	—	—	09-357	CAMO-09-828	GELC
R-42	8591	931.8	10/09/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.251	8.33E-03	3.20E-02	—	pCi/L	—	—	09-72	CAMO-08-16440	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.8	—	—	7.30E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.9	—	—	7.30E-01	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	3.00E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.9	—	—	3.00E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.99	—	—	6.60E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.33	—	—	6.60E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	3.30E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.389	—	—	3.30E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.9	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.9	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	3.50E-01	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.68	—	—	8.50E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.01	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.945	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1	—	—	5.00E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.382	—	—	5.00E-02	µg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	µg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.406	—	—	5.00E-02	µg/L	—	J	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.17	—	—	5.00E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.78	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11387	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	µS/cm	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.24	—	—	1.00E-01	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.565	—	—	3.30E-01	mg/L	J	J	09-2915	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.598	—	—	3.30E-01	mg/L	J	U	09-2646	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.736	—	—	3.30E-01	mg/L	J	J	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.057	—	—	1.50E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.065	—	—	1.50E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.035	—	—	2.40E-02	mg/L	J	J	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	µg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	µg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	µg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	µg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	µg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.9	—	—	1.50E+01	µg/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	13.8	—	—	1.00E+01	µg/L	J	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	µg/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	15	—	—	1.00E+01	µg/L	J	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.50E+00	µg/L	—	—	09-2916	CAMO-09-10295	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	µg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.68	—	—	2.50E+00	µg/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.33	—	—	2.50E+00	µg/L	J	J	09-2647	CAMO-09-11389	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.8	—	—	1.50E+00	µg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.8	—	—	2.50E+00	µg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.95	—	—	2.50E+00	µg/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	µg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.24	—	—	3.00E+00	µg/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	µg/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	42.7	—	—	3.00E+01	µg/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.8	—	—	2.50E+01	µg/L	J	J	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	358	—	—	3.00E+01	µg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	376	—	—	3.00E+01	µg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	16.8	—	—	2.00E+00	µg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.4	—	—	2.00E+00	µg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	µg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.83	—	—	1.00E-01	µg/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	µg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.03	—	—	1.00E-01	µg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.86	—	—	1.00E-01	µg/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.926	—	—	5.00E-01	µg/L	J	J	09-2916	CAMO-09-9919	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	07/14/09	WG	F	CS	--	Metals	SW-846:6020	Nickel	--	0.762	--	--	5.00E-01	µg/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Metals	SW-846:6020	Nickel	<	2	--	--	5.00E-01	µg/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Metals	SW-846:6020	Nickel	--	0.922	--	--	5.00E-01	µg/L	J	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Metals	SW-846:6020	Nickel	--	0.878	--	--	5.00E-01	µg/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Metals	SW-846:6020	Nickel	<	2	--	--	5.00E-01	µg/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	--	Metals	SW-846:6010B	Silicon Dioxide	--	64.7	--	--	5.30E-02	mg/L	--	--	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Metals	SW-846:6010B	Silicon Dioxide	--	67.1	--	--	5.30E-02	mg/L	--	--	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Metals	SW-846:6010B	Silicon Dioxide	--	70.6	--	--	3.20E-02	mg/L	--	--	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	F	CS	--	Metals	SW-846:6010B	Strontium	--	58.2	--	--	1.00E+00	µg/L	--	--	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Metals	SW-846:6010B	Strontium	--	56.3	--	--	1.00E+00	µg/L	--	--	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Metals	SW-846:6010B	Strontium	--	57.2	--	--	1.00E+00	µg/L	--	--	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Metals	SW-846:6010B	Strontium	--	62.7	--	--	1.00E+00	µg/L	--	--	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Metals	SW-846:6010B	Strontium	--	58.1	--	--	1.00E+00	µg/L	--	--	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Metals	SW-846:6010B	Strontium	--	59.6	--	--	1.00E+00	µg/L	--	--	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	--	Metals	SW-846:6020	Uranium	--	0.527	--	--	5.00E-02	µg/L	--	--	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Metals	SW-846:6020	Uranium	--	0.422	--	--	5.00E-02	µg/L	--	--	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Metals	SW-846:6020	Uranium	--	0.43	--	--	5.00E-02	µg/L	--	--	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Metals	SW-846:6020	Uranium	--	0.536	--	--	5.00E-02	µg/L	--	--	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Metals	SW-846:6020	Uranium	--	0.418	--	--	5.00E-02	µg/L	--	--	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Metals	SW-846:6020	Uranium	--	0.42	--	--	5.00E-02	µg/L	--	--	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	--	Metals	SW-846:6010B	Vanadium	--	3.96	--	--	1.00E+00	µg/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Metals	SW-846:6010B	Vanadium	--	5.24	--	--	1.00E+00	µg/L	--	--	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Metals	SW-846:6010B	Vanadium	--	5.2	--	--	1.00E+00	µg/L	--	--	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Metals	SW-846:6010B	Vanadium	--	4.11	--	--	1.00E+00	µg/L	J	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Metals	SW-846:6010B	Vanadium	--	5.52	--	--	1.00E+00	µg/L	--	--	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Metals	SW-846:6010B	Vanadium	--	5.3	--	--	1.00E+00	µg/L	--	--	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	F	CS	--	Metals	SW-846:6010B	Zinc	--	15.1	--	--	3.30E+00	µg/L	--	--	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Metals	SW-846:6010B	Zinc	--	53.3	--	--	3.30E+00	µg/L	--	--	09-2647	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Metals	SW-846:6010B	Zinc	<	7.9	--	--	2.00E+00	µg/L	J	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Metals	SW-846:6010B	Zinc	--	30	--	--	3.30E+00	µg/L	--	--	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Metals	SW-846:6010B	Zinc	--	81.1	--	--	3.30E+00	µg/L	--	--	09-2647	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Metals	SW-846:6010B	Zinc	<	8.6	--	--	2.00E+00	µg/L	J	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Rad	HASL-300	Americium-241	<	-0.00432	3.30E-03	4.40E-02	--	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Rad	HASL-300	Americium-241	<	-0.00344	2.30E-03	6.00E-02	--	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Rad	HASL-300	Americium-241	<	-0.00286	5.67E-04	3.10E-02	--	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Rad	HASL-300	Americium-241	<	-0.000416	2.67E-03	4.00E-02	--	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Rad	HASL-300	Americium-241	<	0.0037	2.87E-03	5.70E-02	--	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Rad	EPA:901.1	Cesium-137	<	-1.85	5.33E-01	5.20E+00	--	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Rad	EPA:901.1	Cesium-137	<	-2.33	4.67E-01	4.00E+00	--	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Rad	EPA:901.1	Cesium-137	<	1.55	5.00E-01	5.10E+00	--	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Rad	EPA:901.1	Cesium-137	<	-1.8	7.33E-01	6.40E+00	--	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Rad	EPA:901.1	Cesium-137	<	-2.12	4.67E-01	4.10E+00	--	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Rad	EPA:901.1	Cobalt-60	<	2.17	6.00E-01	6.20E+00	--	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Rad	EPA:901.1	Cobalt-60	<	0.32	4.67E-01	4.50E+00	--	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Rad	EPA:901.1	Cobalt-60	<	0.946	5.67E-01	5.80E+00	--	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Rad	EPA:901.1	Cobalt-60	<	-0.159	6.67E-01	6.40E+00	--	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Rad	EPA:901.1	Cobalt-60	<	2.02	4.00E-01	4.70E+00	--	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Rad	EPA:900	Gross alpha/beta	<	1.27	2.90E-01	2.80E+00	--	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Rad	EPA:900	Gross alpha/beta	<	1.67	3.13E-01	2.80E+00	--	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Rad	EPA:900	Gross alpha/beta	<	0.244	1.13E-01	1.10E+00	--	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Rad	EPA:900	Gross alpha/beta	<	-0.186	2.60E-01	2.80E+00	--	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Rad	EPA:900	Gross alpha/beta	<	0.768	2.03E-01	2.10E+00	--	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	--	Rad	EPA:900	Gross beta	<	1.73	2.30E-01	2.00E+00	--	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	--	Rad	EPA:900	Gross beta	<	-0.129	2.07E-01	2.40E+00	--	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	--	Rad	EPA:900	Gross beta	<	0.542	1.80E-01	1.90E+00	--	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	--	Rad	EPA:900	Gross beta	--	2.99	2.83E-01	2.20E+00	--	pCi/L	--	--	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	--	Rad	EPA:900	Gross beta	<	2.08	2.57E-01	2.20E+00	--	pCi/L	U	U	09-913	CAMO-09-4437	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	07/14/09	WG	F	CS	---	Rad	EPA:901.1	Gross gamma	<	188	2.63E+01	2.10E+02	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	EPA:901.1	Gross gamma	<	13.5	1.67E+01	2.90E+01	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:901.1	Gross gamma	---	143	1.40E+01	1.20E+02	---	pCi/L	---	---	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:901.1	Gross gamma	<	156	2.33E+01	1.20E+02	---	pCi/L	---	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	EPA:901.1	Gross gamma	<	18.6	4.67E+00	2.00E+01	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	EPA:901.1	Neptunium-237	<	15.4	4.67E+00	3.90E+01	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	EPA:901.1	Neptunium-237	<	20.2	4.00E+00	3.70E+01	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:901.1	Neptunium-237	<	13	4.00E+00	4.00E+01	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:901.1	Neptunium-237	<	17.5	4.33E+00	4.10E+01	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	EPA:901.1	Neptunium-237	<	-12.5	3.10E+00	2.90E+01	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	HASL-300	Plutonium-238	<	0.0213	4.33E-03	3.40E-02	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	HASL-300	Plutonium-238	<	0.00259	1.50E-03	3.70E-02	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Plutonium-238	<	0.00365	2.10E-03	3.20E-02	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	HASL-300	Plutonium-238	<	0.00574	2.77E-03	3.10E-02	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	HASL-300	Plutonium-238	<	2.69E-09	4.67E-03	4.00E-02	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	HASL-300	Plutonium-239/240	<	-0.00213	2.93E-03	4.20E-02	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	HASL-300	Plutonium-239/240	<	0.00776	2.87E-03	5.20E-02	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Plutonium-239/240	<	-0.00365	1.73E-03	3.60E-02	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	HASL-300	Plutonium-239/240	<	-0.0115	1.80E-03	3.70E-02	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	HASL-300	Plutonium-239/240	<	0.00282	2.10E-03	5.60E-02	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	EPA:901.1	Potassium-40	<	14.5	9.67E+00	5.40E+01	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	EPA:901.1	Potassium-40	<	-13.2	5.67E+00	5.00E+01	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:901.1	Potassium-40	<	0.64	6.33E+00	6.80E+01	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:901.1	Potassium-40	<	-17.3	1.00E+01	9.20E+01	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	EPA:901.1	Potassium-40	<	-13.3	6.33E+00	6.20E+01	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:903.1	Radium-226	<	0.12	3.67E-02	3.90E-01	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:903.1	Radium-226	---	0.781	7.00E-02	4.20E-01	---	pCi/L	---	---	09-2648	CAMO-09-11387	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:904	Radium-228	<	0.86	1.17E-01	1.00E+00	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:904	Radium-228	<	0.69	9.00E-02	7.50E+01	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	EPA:901.1	Sodium-22	<	-0.281	5.67E-01	5.70E+00	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	EPA:901.1	Sodium-22	<	0.581	4.33E-01	4.30E+00	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:901.1	Sodium-22	<	-0.168	4.33E-01	4.20E+00	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:901.1	Sodium-22	<	-0.31	7.00E-01	6.80E+00	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	EPA:901.1	Sodium-22	<	1.44	4.00E-01	4.60E+00	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	EPA:905.0	Strontium-90	<	-0.0286	4.00E-02	4.40E-01	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	EPA:905.0	Strontium-90	<	-0.207	3.67E-02	5.00E-01	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	EPA:905.0	Strontium-90	<	0.0055	2.47E-02	2.50E-01	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	EPA:905.0	Strontium-90	<	-0.0585	3.67E-02	4.40E-01	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	EPA:905.0	Strontium-90	<	0.0171	4.33E-02	4.40E-01	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Thorium-228	<	-0.00188	1.30E-03	1.10E-01	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Thorium-230	<	0.027	2.63E-03	1.20E-01	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Thorium-232	<	-0.00023	7.33E-04	3.90E-02	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	LLEE	Tritium	<	0.3193	9.58E-02	2.87E-01	---	pCi/L	---	U	09-2634	CAMO-09-11387	UMTL
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	LLEE	Tritium	<	0.47895	9.58E-02	2.87E-01	---	pCi/L	---	U	09-918	CAMO-09-4437	UMTL
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	HASL-300	Uranium-234	---	0.328	1.23E-02	9.40E-02	---	pCi/L	---	---	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	HASL-300	Uranium-234	---	0.38	1.20E-02	6.00E-02	---	pCi/L	---	---	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Uranium-234	---	0.364	1.37E-02	9.20E-02	---	pCi/L	---	---	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	HASL-300	Uranium-234	---	0.327	1.23E-02	9.20E-02	---	pCi/L	---	---	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	HASL-300	Uranium-234	---	0.287	1.00E-02	6.00E-02	---	pCi/L	---	---	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	HASL-300	Uranium-235/236	<	0.00304	1.03E-03	4.60E-02	---	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	HASL-300	Uranium-235/236	<	0.0116	1.60E-03	2.80E-02	---	pCi/L	U	U	09-913	CAMO-09-4438	GELC
R-44	8671	895	08/17/09	WG	UF	CS	---	Rad	HASL-300	Uranium-235/236	<	0.0125	4.33E-03	4.60E-02	---	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	---	Rad	HASL-300	Uranium-235/236	<	0.0089	1.73E-03	4.50E-02	---	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	---	Rad	HASL-300	Uranium-235/236	<	0.0195	2.47E-03	2.80E-02	---	pCi/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	F	CS	---	Rad	HASL-300	Uranium-238	---	0.123	6.67E-03	4.70E-02	---	pCi/L	---	---	09-2648	CAMO-09-11388	GELC
R-44	8671	895	02/17/09	WG	F	CS	---	Rad	HASL-300	Uranium-238	---	0.165	6.67E-03	3.60E-02	---	pCi/L	---	---	09-913	CAMO-09-4438	GELC
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

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.175	8.00E-03	4.50E-02	—	pCi/L	—	—	09-2648	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.145	6.00E-03	3.60E-02	—	pCi/L	—	—	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	26.7	—	—	3.50E+00	µg/L	—	—	09-2646	CAMO-09-11392	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	24.6	—	—	3.50E+00	µg/L	—	—	09-2646	CAMO-09-11387	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	09-913	CAMO-09-4437	GELC
R-44	8671	895	07/14/09	WG	UF	CS	FB	Voa	SW-846:8260B	Chloroform	—	1.99	—	—	2.50E-01	µg/L	—	—	09-2646	CAMO-09-11391	GELC
R-44	8671	895	02/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	µg/L	U	U	09-913	CAMO-09-4437	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000028	—	—	2.80E-06	µg/L	J	J	09-2914	CAMO-09-9927	ALTC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000425	—	—	4.25E-06	µg/L	U	U	09-2630	CAMO-09-11393	ALTC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000225	—	—	2.25E-06	µg/L	JB	U	09-981	CAMO-09-4441	ALTC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.2	—	—	7.30E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.3	—	—	7.30E-01	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	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	07/14/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	3.00E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	3.00E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.03	—	—	6.60E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	J	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.495	—	—	3.30E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.395	—	—	3.30E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.369	—	—	3.30E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.331	—	—	3.30E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	45.1	—	—	3.50E-01	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	3.50E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.1	—	—	3.50E-01	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	8.50E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	8.50E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.98	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.74	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.725	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.491	—	—	5.00E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.4	—	—	5.00E-02	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.371	—	—	5.00E-02	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.359	—	—	5.00E-02	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	µg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	4.50E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	µS/cm	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	144	—	—	1.00E+00	µS/cm	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	µS/cm	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	149	—	—	1.00E+00	µS/cm	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.78	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	2.95	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.9	—	—	1.00E-01	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.72	—	—	1.00E-01	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	J	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.508	—	—	3.30E-01	mg/L	J	J	09-2915	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2631	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.837	—	—	3.30E-01	mg/L	J	J	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.039	—	—	1.50E-02	mg/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.064	—	—	1.50E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.065	—	—	1.50E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	25.4	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	µg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	µg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	26.2	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.4	—	—	1.00E+00	µg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	23	—	—	1.50E+01	µg/L	J	J	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.50E+01	µg/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	20.2	—	—	1.00E+01	µg/L	J	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	µg/L	J	J	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.9	—	—	1.50E+01	µg/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	21.2	—	—	1.00E+01	µg/L	J	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	µg/L	—	—	09-2916	CAMO-09-10296	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.5	—	—	2.50E+00	µg/L	J	J	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.65	—	—	2.50E+00	µg/L	J	J	09-2632	CAMO-09-11394	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.44	—	—	2.50E+00	µg/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	1.50E+00	µg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	µg/L	—	—	09-2916	CAMO-09-9927	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	6.52	—	—	2.50E+00	µg/L	J	J	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.73	—	—	2.50E+00	µg/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	1.50E+00	µg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	88.8	—	—	3.00E+01	µg/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	51.2	—	—	3.00E+01	µg/L	J	U	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	335	—	—	3.00E+01	µg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	236	—	—	3.00E+01	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	235	—	—	3.00E+01	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.29	—	—	2.00E+00	µg/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	3.4	—	—	2.00E+00	µg/L	J	J	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.54	—	—	2.00E+00	µg/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.7	—	—	2.00E+00	µg/L	J	J	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.25	—	—	2.00E+00	µg/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	3.62	—	—	2.00E+00	µg/L	J	J	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.57	—	—	2.00E+00	µg/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.4	—	—	2.00E+00	µg/L	J	J	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.993	—	—	1.00E-01	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.974	—	—	1.00E-01	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	µg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.03	—	—	1.00E-01	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.807	—	—	5.00E-01	µg/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.554	—	—	5.00E-01	µg/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.832	—	—	5.00E-01	µg/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.61	—	—	5.00E-01	µg/L	J	J	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.535	—	—	5.00E-01	µg/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	5.30E-02	mg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.2	—	—	3.20E-02	mg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.6	—	—	1.00E+00	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	65.9	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.3	—	—	1.00E+00	µg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	µg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	67.8	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.5	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.6	—	—	1.00E+00	µg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.534	—	—	5.00E-02	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.537	—	—	5.00E-02	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	µg/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.556	—	—	5.00E-02	µg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.567	—	—	5.00E-02	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.544	—	—	5.00E-02	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.7	—	—	5.00E-02	µg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.04	—	—	1.00E+00	µg/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	6.38	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	µg/L	—	—	09-979	CAMO-09-4442	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4	—	—	1.00E+00	µg/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	6.57	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.49	—	—	1.00E+00	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	µg/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.4	—	—	3.30E+00	µg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	µg/L	—	—	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	3.30E+00	µg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.7	—	—	2.00E+00	µg/L	J	J	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.8	—	—	3.30E+00	µg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	16.9	—	—	3.30E+00	µg/L	—	—	09-2632	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.8	—	—	3.30E+00	µg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.2	—	—	2.00E+00	µg/L	J	J	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	HASL-300	Americium-241	<	-0.00647	1.20E-03	3.10E-02	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0073	1.77E-03	4.10E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00368	2.03E-03	3.90E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00242	7.00E-04	3.30E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.0176	3.00E-03	4.50E-02	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00884	4.00E-03	4.20E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	2.53E-03	3.90E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:901.1	Cesium-137	<	-0.436	5.67E-01	5.30E+00	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.83	7.67E-01	6.40E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.123	4.67E-01	4.60E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.48	5.00E-01	4.50E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	3.03	6.00E-01	6.30E+00	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.83	9.00E-01	5.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.26	5.00E-01	4.60E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.371	6.00E-01	6.10E+00	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.64	6.33E-01	6.60E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.378	4.33E-01	4.00E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.442	5.33E-01	5.40E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.569	6.00E-01	6.10E+00	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.04	6.00E-01	6.40E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.44	5.33E-01	5.60E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:900	Gross alpha/beta	<	0.659	2.73E-01	3.00E+00	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.04	2.73E-01	2.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.632	1.70E-01	1.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	1.53	1.60E-01	1.40E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	-0.77	1.70E-01	2.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.549	2.17E-01	2.50E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.76	2.83E-01	2.20E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:900	Gross beta	<	1.94	2.43E-01	2.10E+00	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.03	2.47E-01	2.10E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.4	2.83E-01	2.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.68	2.80E-01	2.30E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.48	2.07E-01	1.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.67	3.00E-01	2.10E+00	—	pCi/L	—	—	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.37	1.83E-01	2.00E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:901.1	Gross gamma	—	94.4	6.67E+00	5.80E+01	—	pCi/L	—	—	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	177	2.87E+01	1.30E+02	—	pCi/L	—	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	30.4	5.00E+00	3.10E+01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	128	1.23E+01	1.10E+02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	35.6	6.33E+00	4.70E+01	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	138	1.93E+01	8.30E+01	—	pCi/L	—	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	66.7	1.13E+01	6.00E+01	—	pCi/L	—	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:901.1	Neptunium-237	<	11.6	4.00E+00	4.20E+01	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.2	4.33E+00	4.40E+01	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.3	3.67E+00	3.70E+01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.1	4.33E+00	4.40E+01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-15.3	3.67E+00	3.60E+01	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.87	3.67E+00	3.60E+01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	27.8	4.00E+00	3.80E+01	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	HASL-300	Plutonium-238	<	0.0237	2.53E-03	3.80E-02	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00947	2.73E-03	3.80E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.27E-03	3.40E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00168	9.67E-04	3.00E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.30E-02	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00214	7.00E-04	3.40E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00365	2.27E-03	2.60E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00237	8.00E-04	4.60E-02	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00711	2.37E-03	4.60E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00478	1.97E-03	4.80E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0101	2.10E-03	3.30E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00206	1.53E-03	4.00E-02	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00428	1.43E-03	4.20E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0073	1.93E-03	3.70E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:901.1	Potassium-40	<	-41.2	8.33E+00	7.80E+01	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.74	8.00E+00	7.50E+01	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	14.3	6.67E+00	6.90E+01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.27	6.33E+00	6.60E+01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	7.21	8.33E+00	7.20E+01	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.1	9.00E+00	7.10E+01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.3	7.00E+00	7.10E+01	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.392	5.00E-02	4.00E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.672	8.33E-02	6.80E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	1.06	1.57E-01	1.40E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.663	8.67E-02	7.40E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.88	6.33E-01	6.60E+00	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.19	6.00E-01	5.60E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.548	4.00E-01	3.80E+00	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.74	4.33E-01	3.80E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-1.79	8.33E-01	6.20E+00	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.37	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.91	5.00E-01	4.40E+00	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.0308	4.33E-02	4.70E-01	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.118	4.00E-02	4.30E-01	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.142	2.40E-02	2.70E-01	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.106	1.90E-02	1.90E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.383	5.33E-02	4.90E-01	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0558	4.33E-02	4.30E-01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0346	2.30E-02	2.40E-01	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.00453	1.20E-03	1.40E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.094	6.33E-03	1.50E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.000417	9.33E-04	5.00E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.3193	9.58E-02	2.87E-01	—	pCi/L	—	U	09-2634	CAMO-09-11399	UMTL
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2634	CAMO-09-11393	UMTL
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.28737	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1041	CAMO-09-4441	UMTL
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	HASL-300	Uranium-234	—	0.402	1.47E-02	1.00E-01	—	pCi/L	—	—	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.416	1.53E-02	1.10E-01	—	pCi/L	—	—	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.489	1.50E-02	6.70E-02	—	pCi/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.345	1.30E-02	9.40E-02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.336	2.00E-02	2.50E-01	—	pCi/L	—	—	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.437	1.53E-02	1.00E-01	—	pCi/L	—	—	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.483	1.50E-02	7.20E-02	—	pCi/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0166	2.50E-03	5.00E-02	—	pCi/L	U	U	09-2633	CAMO-09-11400	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0175	2.63E-03	5.30E-02	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00645	2.40E-03	3.10E-02	—	pCi/L	U	U	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0255	3.33E-03	4.70E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	-0.0092	3.67E-03	1.30E-01	—	pCi/L	U	U	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.53E-03	4.90E-02	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00924	2.43E-03	3.30E-02	—	pCi/L	U	U	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	FD	Rad	HASL-300	Uranium-238	—	0.164	8.33E-03	5.10E-02	—	pCi/L	—	—	09-2633	CAMO-09-11400	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.221	1.00E-02	5.40E-02	—	pCi/L	—	—	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	02/22/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.191	7.67E-03	4.00E-02	—	pCi/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.132	7.67E-03	4.70E-02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.175	1.37E-02	1.30E-01	—	pCi/L	—	—	09-2633	CAMO-09-11399	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.158	7.67E-03	5.00E-02	—	pCi/L	—	—	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.178	7.33E-03	4.30E-02	—	pCi/L	—	—	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	21.6	—	—	3.50E+00	µg/L	—	J	09-2915	CAMO-09-9927	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	21.5	—	—	3.50E+00	µg/L	—	J	09-2915	CAMO-09-9924	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	U	09-2631	CAMO-09-11393	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	09-979	CAMO-09-4441	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	FB	Voa	SW-846:8260B	Chloroform	—	1.94	—	—	2.50E-01	µg/L	—	—	09-2631	CAMO-09-11398	GELC
R-44	8681	985.3	02/22/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	µg/L	U	U	09-979	CAMO-09-4441	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00000226	—	—	2.26E-06	µg/L	J	J	09-2963	CAMO-09-10254	ALTC
R-45	8721	880	07/16/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000195	—	—	1.95E-06	µg/L	U	U	09-2686	CAMO-09-11401	ALTC
R-45	8721	880	02/28/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000476	—	—	4.76E-06	µg/L	U	U	09-1051	CAMO-09-4583	ALTC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	7.30E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.9	—	—	7.30E-01	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	1.60E-02	mg/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	3.00E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.8	—	—	3.00E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.22	—	—	6.60E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3	—	—	6.60E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.481	—	—	3.30E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.453	—	—	3.30E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.411	—	—	3.30E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.6	—	—	3.50E-01	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.4	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.1	—	—	3.50E-01	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.77	—	—	8.50E-02	mg/L	E	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	8.50E-02	mg/L	E	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.612	—	—	1.00E-02	mg/L	—	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.44	—	—	5.00E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.561	—	—	5.00E-02	µg/L	—	J+	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.486	—	—	5.00E-02	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.453	—	—	5.00E-02	µg/L	—	—	09-1052	CAMO-09-4585	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	µS/cm	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	223	—	—	1.00E+00	µS/cm	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	150	—	—	1.00E+00	µS/cm	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.78	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.1	—	—	1.00E-01	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.40E+00	mg/L	—	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	J	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.678	—	—	3.30E-01	mg/L	J	J	09-2964	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.785	—	—	3.30E-01	mg/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.557	—	—	3.30E-01	mg/L	J	J	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.065	—	—	1.50E-02	mg/L	—	J-	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.042	—	—	1.50E-02	mg/L	J	U	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.051	—	—	2.40E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	09-1052	CAMO-09-4585	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Hexp	SW-846:8321A	Dinitrobenzene[1,3-]	—	0.167	—	—	1.20E-01	µg/L	J	J	09-2676	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Hexp	SW-846:8321A	Dinitrobenzene[1,3-]	<	0.325	—	—	1.20E-01	µg/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.9	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	µg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.8	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	µg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	—	1.8	—	—	1.00E+00	µg/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	µg/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.50E+01	µg/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	µg/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	16.1	—	—	1.00E+01	µg/L	J	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	µg/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	µg/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	17.9	—	—	1.00E+01	µg/L	J	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	µg/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	µg/L	—	—	09-2965	CAMO-09-10293	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.1	—	—	2.50E+00	µg/L	—	—	09-2677	CAMO-09-11402	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	1.50E+00	µg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.50E+00	µg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	1.50E+00	µg/L	—	—	09-1052	CAMO-09-4583	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.11	—	—	1.00E+00	µg/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	40.4	—	—	3.00E+01	µg/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	227	—	—	3.00E+01	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.51	—	—	2.00E+00	µg/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.1	—	—	2.00E+00	µg/L	J	J	09-1052	CAMO-09-4585	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.14	—	—	2.00E+00	µg/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4	—	—	2.00E+00	µg/L	J	J	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.938	—	—	1.00E-01	µg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.891	—	—	1.00E-01	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.75	—	—	1.00E-01	µg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	1.00E-01	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.00E-01	µg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.929	—	—	5.00E-01	µg/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.909	—	—	5.00E-01	µg/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.15	—	—	5.00E-01	µg/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	µg/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	5.30E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.4	—	—	5.30E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68	—	—	3.20E-02	mg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75.3	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	µg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.4	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.5	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.2	—	—	1.00E+00	µg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.38	—	—	3.00E-01	µg/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.463	—	—	3.00E-01	µg/L	J	U	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.45	—	—	3.00E-01	µg/L	J	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.929	—	—	5.00E-02	µg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.896	—	—	5.00E-02	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.8	—	—	5.00E-02	µg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.943	—	—	5.00E-02	µg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.83	—	—	5.00E-02	µg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.23	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	µg/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.38	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.45	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.3	—	—	1.00E+00	µg/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	40.8	—	—	3.30E+00	µg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	63.2	—	—	3.30E+00	µg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.8	—	—	2.00E+00	µg/L	J	J	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	45.4	—	—	3.30E+00	µg/L	—	—	09-2965	CAMO-09-10254	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	95.6	—	—	3.30E+00	µg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.1	—	—	2.00E+00	µg/L	J	J	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00676	1.97E-03	5.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00138	1.37E-03	4.00E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000304	1.07E-03	3.00E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00102	3.33E-03	4.80E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0152	2.80E-03	4.40E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.48	5.33E-01	4.40E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.04	4.67E-01	4.90E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.28	4.00E-01	3.70E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.74	5.00E-01	4.70E+00	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.03	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-5.63	5.67E-01	4.30E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.56	4.00E-01	4.30E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.44	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.469	5.33E-01	5.30E+00	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.53	3.67E-01	4.30E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	—	3.38	2.90E-01	1.70E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.637	1.93E-01	2.00E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.34	3.33E-01	2.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.08	2.43E-01	1.80E+00	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.124	2.27E-01	2.60E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	8.8	4.33E-01	2.00E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.12	3.33E-01	2.90E+00	—	pCi/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.73	4.00E-01	3.40E+00	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.96	4.33E-01	2.10E+00	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.52	2.23E-01	2.10E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	131	1.23E+01	9.40E+01	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	66.7	1.33E+01	8.80E+01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	79.6	1.03E+01	7.20E+01	—	pCi/L	—	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	148	1.83E+01	1.20E+02	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	33.2	7.33E+00	4.90E+01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.2	4.33E+00	4.50E+01	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.3	4.00E+00	3.90E+01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.06	3.10E+00	2.90E+01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.4	4.33E+00	4.30E+01	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.04	4.00E+00	3.80E+01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00287	9.67E-04	4.40E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0118	2.20E-03	2.40E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00368	1.07E-03	3.20E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.00E-04	4.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.025	3.67E-03	3.20E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00748	2.53E-03	5.40E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0118	1.87E-03	3.40E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00552	1.37E-03	3.60E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00539	1.27E-03	5.00E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.63E-03	4.60E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	6.00E+00	6.80E+01	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-32.6	6.33E+00	5.80E+01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.03	5.33E+00	5.70E+01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.72	6.67E+00	5.30E+01	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.1	7.67E+00	4.00E+01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.324	4.33E-02	3.70E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.68	1.17E-01	6.30E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.56	1.40E-01	9.20E-01	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.54	1.33E-01	8.30E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.46	6.00E-01	5.20E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/28/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.67E-01	5.10E+00	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.6	4.33E-01	3.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.67	4.33E-01	3.70E+00	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.2	4.00E-01	4.40E+00	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.243	5.00E-02	4.70E-01	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.302	4.67E-02	4.30E-01	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0597	2.07E-02	2.10E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0771	4.33E-02	4.50E-01	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0879	3.33E-02	4.00E-01	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.013	3.33E-03	1.10E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.000676	1.80E-03	1.10E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.00457	1.03E-03	3.80E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.56457	9.58E-02	2.87E-01	—	pCi/L	—	—	09-2697	CAMO-09-11401	UMTL
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	9.58E-02	2.87E-01	—	pCi/L	—	U	09-1053	CAMO-09-4583	UMTL
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.58	2.23E-02	1.60E-01	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.518	1.53E-02	6.50E-02	—	pCi/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.478	1.77E-02	1.10E-01	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.559	2.10E-02	1.40E-01	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.506	1.50E-02	6.40E-02	—	pCi/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	3.33E-03	7.70E-02	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	1.87E-03	3.00E-02	—	pCi/L	U	U	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0116	2.90E-03	5.80E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0164	3.67E-03	7.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0185	2.10E-03	3.00E-02	—	pCi/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.272	1.33E-02	7.70E-02	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	02/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.249	9.00E-03	3.80E-02	—	pCi/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.242	1.10E-02	5.80E-02	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.236	1.20E-02	7.20E-02	—	pCi/L	—	—	09-2678	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.236	8.67E-03	3.80E-02	—	pCi/L	—	—	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	42.5	—	—	3.50E+00	µg/L	—	—	09-2676	CAMO-09-11404	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	18.1	—	—	3.50E+00	µg/L	—	—	09-2676	CAMO-09-11401	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	09-1052	CAMO-09-4583	GELC
R-45	8721	880	07/16/09	WG	UF	CS	FB	Voa	SW-846:8260B	Chloroform	—	0.526	—	—	2.50E-01	µg/L	J	J	09-2676	CAMO-09-11406	GELC
R-45	8721	880	02/28/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	µg/L	U	U	09-1052	CAMO-09-4583	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00000246	—	—	2.46E-06	µg/L	J	J	09-2963	CAMO-09-10256	ALTC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.00000239	—	—	2.39E-06	µg/L	U	U	09-2686	CAMO-09-11412	ALTC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00000242	—	—	2.42E-06	µg/L	J	J	09-1110	CAMO-09-4588	ALTC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75	—	—	7.30E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.5	—	—	7.30E-01	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.032	—	—	1.60E-02	mg/L	J	J-	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.029	—	—	1.60E-02	mg/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	3.00E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.5	—	—	3.00E-02	mg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.17	—	—	6.60E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.31	—	—	6.60E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.74	—	—	6.60E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.541	—	—	3.30E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.443	—	—	3.30E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.421	—	—	3.30E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.6	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	03/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.4	—	—	3.50E-01	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.6	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.7	—	—	3.50E-01	mg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.78	—	—	8.50E-02	mg/L	E	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.87	—	—	8.50E-02	mg/L	E	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.6	—	—	8.50E-02	mg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.625	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.296	—	—	1.00E-02	mg/L	—	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	J	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.407	—	—	5.00E-02	µg/L	—	J+	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.385	—	—	5.00E-02	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.37	—	—	5.00E-02	µg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	µS/cm	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	µS/cm	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	µS/cm	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.13	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.17	—	—	1.00E-01	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.37	—	—	1.00E-01	mg/L	—	J-	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	184	—	—	2.40E+00	mg/L	—	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.40E+00	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	H	J-	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.098	—	—	3.30E-02	mg/L	J	J	09-2964	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.584	—	—	3.30E-01	mg/L	J	J	09-2964	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.528	—	—	3.30E-01	mg/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.058	—	—	1.50E-02	mg/L	—	J-	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.055	—	—	1.50E-02	mg/L	—	U	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.102	—	—	2.40E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	208	—	—	6.80E+01	µg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.2	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	µg/L	—	—	09-1111	CAMO-09-4586	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.7	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.5	—	—	1.00E+00	µg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	µg/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.4	—	—	1.50E+01	µg/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	24.3	—	—	1.00E+01	µg/L	J	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	µg/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	µg/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	23.4	—	—	1.00E+01	µg/L	J	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.89	—	—	2.50E+00	µg/L	J	J	09-2965	CAMO-09-10294	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.01	—	—	2.50E+00	µg/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	µg/L	J	J	09-2677	CAMO-09-11409	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.5	—	—	2.50E+00	µg/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.1	—	—	1.50E+00	µg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.92	—	—	2.50E+00	µg/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.62	—	—	2.50E+00	µg/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.3	—	—	1.50E+00	µg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	390	—	—	3.00E+01	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37.5	—	—	3.00E+01	µg/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	453	—	—	3.00E+01	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.76	—	—	2.00E+00	µg/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5	—	—	2.00E+00	µg/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.1	—	—	2.00E+00	µg/L	J	J	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.61	—	—	2.00E+00	µg/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.34	—	—	2.00E+00	µg/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.5	—	—	2.00E+00	µg/L	J	J	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.00E-01	µg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.881	—	—	1.00E-01	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.83	—	—	1.00E-01	µg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.981	—	—	1.00E-01	µg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.947	—	—	1.00E-01	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.84	—	—	1.00E-01	µg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.865	—	—	5.00E-01	µg/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.553	—	—	5.00E-01	µg/L	J	J	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.751	—	—	5.00E-01	µg/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.577	—	—	5.00E-01	µg/L	J	J	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.7	—	—	5.30E-02	mg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.6	—	—	3.20E-02	mg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.4	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.8	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.8	—	—	1.00E+00	µg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.5	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.6	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	µg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.816	—	—	5.00E-02	µg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.894	—	—	5.00E-02	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.7	—	—	5.00E-02	µg/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	µg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.901	—	—	5.00E-02	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.71	—	—	5.00E-02	µg/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.67	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.42	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11411	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8	—	—	1.00E+00	µg/L	—	J	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.83	—	—	1.00E+00	µg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.58	—	—	1.00E+00	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.8	—	—	1.00E+00	µg/L	—	J	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.47	—	—	3.30E+00	µg/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	27	—	—	3.30E+00	µg/L	—	—	09-2677	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.5	—	—	2.00E+00	µg/L	J	J	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	3.30E+00	µg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.9	—	—	3.30E+00	µg/L	—	—	09-2677	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.2	—	—	2.00E+00	µg/L	J	J	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00468	1.03E-03	4.10E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00246	2.73E-03	6.20E-02	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00442	1.03E-03	2.90E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000405	8.33E-04	4.00E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00299	1.77E-03	4.30E-02	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.482	5.00E-01	5.00E+00	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.398	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0215	4.67E-01	4.70E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.58	5.67E-01	5.40E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.59	3.67E-01	4.10E+00	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.964	3.67E-01	3.80E+00	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.57	3.67E-01	4.30E+00	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.889	4.67E-01	4.20E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.93	4.00E-01	5.10E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.78	4.33E-01	4.90E+00	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	—	2.54	2.50E-01	1.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.565	1.80E-01	1.90E+00	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.137	1.47E-01	1.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.808	2.10E-01	2.10E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.44	2.87E-01	2.60E+00	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.1	3.67E-01	2.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.07	2.67E-01	2.00E+00	—	pCi/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.37E-01	2.30E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.31	3.33E-01	2.90E+00	—	pCi/L	—	—	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.809	1.53E-01	1.50E+00	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	42.2	1.10E+01	5.40E+01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	6.88	4.67E+00	1.40E+01	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	38.8	5.67E+00	5.00E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.8	1.47E+01	6.10E+01	—	pCi/L	—	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.2	5.33E+00	2.90E+01	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.88	3.13E+00	2.80E+01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.65	4.00E+00	3.60E+01	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.2	2.17E+00	1.90E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	20.2	3.33E+00	3.40E+01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.68	3.03E+00	2.90E+01	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.00E-04	4.00E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00732	2.63E-03	2.50E-02	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00187	6.33E-04	3.30E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	3.60E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00861	1.90E-03	2.50E-02	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	9.00E-04	4.90E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0131	2.20E-03	3.50E-02	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00748	1.40E-03	3.70E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.000676	1.00E-03	4.40E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00517	1.73E-03	3.40E-02	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	15.9	5.00E+00	5.70E+01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	18.7	5.67E+00	6.20E+01	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.33E+00	6.20E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.12	5.33E+00	5.50E+01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.4	5.67E+00	5.60E+01	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.0236	3.07E-02	3.80E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.336	6.33E-02	6.00E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.252	8.33E-02	8.70E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.802	1.03E-01	8.80E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.52	4.67E-01	3.50E+00	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.39	4.33E-01	3.70E+00	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.867	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.129	3.67E-01	3.80E+00	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0659	5.00E-01	4.90E+00	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0788	2.97E-02	3.80E-01	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.000477	4.00E-02	4.40E-01	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0331	2.60E-02	2.60E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.145	3.07E-02	4.20E-01	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.173	2.73E-02	2.60E-01	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.00185	3.10E-03	1.10E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	-0.0188	2.17E-03	1.20E-01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.0111	1.63E-03	3.90E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.9579	9.58E-02	2.87E-01	—	pCi/L	—	—	09-2697	CAMO-09-11412	UMTL
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.41509	9.58E-02	2.87E-01	—	pCi/L	—	U	09-1184	CAMO-09-4588	UMTL
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.542	2.07E-02	1.50E-01	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.495	1.70E-02	1.00E-01	—	pCi/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.512	2.00E-02	1.40E-01	—	pCi/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.525	1.97E-02	1.40E-01	—	pCi/L	—	—	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.45	1.43E-02	7.20E-02	—	pCi/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00502	1.67E-03	7.20E-02	—	pCi/L	U	U	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00656	2.67E-03	4.70E-02	—	pCi/L	U	U	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0274	4.33E-03	6.80E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0312	5.00E-03	6.80E-02	—	pCi/L	U	U	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0163	2.10E-03	3.30E-02	—	pCi/L	U	U	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.242	1.23E-02	7.20E-02	—	pCi/L	—	—	09-2678	CAMO-09-11411	GELC
R-45	8731	974.9	03/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.241	1.03E-02	6.00E-02	—	pCi/L	—	—	09-1111	CAMO-09-4586	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.233	1.17E-02	6.80E-02	—	pCi/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.215	1.13E-02	6.80E-02	—	pCi/L	—	—	09-2678	CAMO-09-11412	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.239	9.00E-03	4.30E-02	—	pCi/L	—	—	09-1111	CAMO-09-4588	GELC
R-45	8731	974.9	07/16/09	WG	UF	CS	FB	Voa	SW-846:8260B	Chloroform	—	0.549	—	—	2.50E-01	µg/L	J	J	09-2676	CAMO-09-11407	GELC
R-45	8731	974.9	03/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	µg/L	U	U	09-1111	CAMO-09-4588	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000932	—	—	9.32E-07	µg/L	—	—	09-2384	CAMO-09-10498	ALTC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000391	—	—	3.91E-06	µg/L	U	U	09-1869	CAMO-09-8218	ALTC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000454	—	—	4.54E-06	µg/L	U	U	09-1869	CAMO-09-9273	ALTC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000131	—	—	1.31E-06	µg/L	U	U	09-1170	CAMO-09-5490	ALTC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.3	—	—	7.30E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54	—	—	7.30E-01	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.025	—	—	1.60E-02	mg/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	3.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.78	—	—	3.00E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	3.00E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	3.00E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	3.00E-02	mg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.84	—	—	6.60E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.69	—	—	6.60E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.179	—	—	3.30E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.291	—	—	3.30E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.29	—	—	3.30E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.175	—	—	3.30E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.2	—	—	3.50E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.2	—	—	3.50E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.4	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.3	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	37.9	—	—	3.50E-01	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40	—	—	3.50E-01	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.7	—	—	3.50E-01	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.27	—	—	8.50E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.12	—	—	1.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0602	—	—	1.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.492	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.428	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.365	—	—	5.00E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.278	—	—	5.00E-02	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.317	—	—	5.00E-02	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.311	—	—	5.00E-02	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.312	—	—	5.00E-02	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.97	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.91	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.58	—	—	4.50E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.93	—	—	4.50E-02	mg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1.00E+00	µS/cm	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	µS/cm	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	122	—	—	1.00E+00	µS/cm	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	119	—	—	1.00E+00	µS/cm	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	117	—	—	1.00E+00	µS/cm	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.85	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.86	—	—	1.00E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.1	—	—	1.00E-01	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.07	—	—	1.00E-01	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	123	—	—	2.40E+00	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.115	—	—	3.30E-02	mg/L	—	J-	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.029	—	—	2.90E-02	mg/L	J	U	09-1171	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.16	—	—	3.30E-01	mg/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.91	—	—	3.30E-01	mg/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.43	—	—	3.30E-01	mg/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.67	—	—	3.30E-01	mg/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	09-1171	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J-	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	5.29	—	—	5.00E-01	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	2.41	—	—	5.00E-01	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2.49	—	—	5.00E-01	µg/L	—	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2.65	—	—	5.00E-01	µg/L	—	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	3.93	—	—	5.00E-01	µg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	4.52	—	—	5.00E-01	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	6.88	—	—	5.00E-01	µg/L	—	J	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	5.75	—	—	5.00E-01	µg/L	—	U	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.83	—	—	1.50E+00	µg/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.44	—	—	1.50E+00	µg/L	J	J	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.2	—	—	1.50E+00	µg/L	J	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	µg/L	—	J	09-2830	CAMO-09-10259	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.5	—	—	1.00E+00	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	µg/L	—	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.7	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19	—	—	1.00E+00	µg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	10.5	—	—	1.00E+01	µg/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	14.9	—	—	1.00E+01	µg/L	J	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	19.5	—	—	1.00E+01	µg/L	J	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	17.5	—	—	1.00E+01	µg/L	J	U	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	14.9	—	—	1.00E+01	µg/L	J	U	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.33	—	—	2.50E+00	µg/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.76	—	—	1.50E+00	µg/L	—	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.84	—	—	1.50E+00	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.92	—	—	1.50E+00	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.1	—	—	1.50E+00	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.35	—	—	2.50E+00	µg/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.16	—	—	1.50E+00	µg/L	—	U	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.7	—	—	1.50E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	1.50E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	13.7	—	—	1.50E+00	µg/L	—	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.82	—	—	3.00E+00	µg/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.32	—	—	3.00E+00	µg/L	J	J	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.1	—	—	3.00E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.7	—	—	3.00E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	27.5	—	—	2.50E+01	µg/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	34.3	—	—	2.50E+01	µg/L	J	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	447	—	—	2.50E+01	µg/L	*	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	75.1	—	—	3.00E+01	µg/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	148	—	—	2.50E+01	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	397	—	—	2.50E+01	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	360	—	—	2.50E+01	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	347	—	—	2.50E+01	µg/L	*	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.54	—	—	5.00E-01	µg/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.62	—	—	5.00E-01	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	6.88	—	—	5.00E-01	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	8.13	—	—	5.00E-01	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7	—	—	2.00E+00	µg/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8	—	—	2.00E+00	µg/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.53	—	—	2.00E+00	µg/L	J	J	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.46	—	—	2.00E+00	µg/L	J	J	09-1871	CAMO-09-8217	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.9	—	—	2.00E+00	µg/L	J	J	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.09	—	—	2.00E+00	µg/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.6	—	—	2.00E+00	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.2	—	—	2.00E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.8	—	—	2.00E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.9	—	—	2.00E+00	µg/L	J	J	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.00E-01	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	µg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	µg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.43	—	—	5.00E-01	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.37	—	—	5.00E-01	µg/L	J	J	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	µg/L	J	J	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.79	—	—	5.00E-01	µg/L	J	J	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.37	—	—	5.00E-01	µg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.39	—	—	5.00E-01	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.4	—	—	5.00E-01	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.35	—	—	5.00E-01	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.5	—	—	3.20E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.7	—	—	3.20E-02	mg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.1	—	—	3.20E-02	mg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71	—	—	3.20E-02	mg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00E+00	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.6	—	—	1.00E+00	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.5	—	—	1.00E+00	µg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	46.1	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.6	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	µg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.487	—	—	5.00E-02	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.564	—	—	5.00E-02	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.492	—	—	5.00E-02	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.505	—	—	5.00E-02	µg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.468	—	—	5.00E-02	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.494	—	—	5.00E-02	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.497	—	—	5.00E-02	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.65	—	—	5.00E-02	µg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.24	—	—	1.00E+00	µg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.59	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.45	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.9	—	—	1.00E+00	µg/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.35	—	—	1.00E+00	µg/L	—	—	09-2830	CAMO-09-10260	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.65	—	—	1.00E+00	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.07	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.1	—	—	1.00E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.1	—	—	1.00E+00	µg/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.41	—	—	3.30E+00	µg/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	2.00E+00	µg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.7	—	—	2.00E+00	µg/L	—	—	09-1871	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14	—	—	2.00E+00	µg/L	—	—	09-1871	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	3.6	—	—	2.00E+00	µg/L	J	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.8	—	—	3.30E+00	µg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.1	—	—	2.00E+00	µg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.7	—	—	2.00E+00	µg/L	—	—	09-1871	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.5	—	—	2.00E+00	µg/L	—	—	09-1871	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	6.9	—	—	2.00E+00	µg/L	J	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00108	6.67E-04	3.40E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000463	2.33E-03	3.50E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00105	2.30E-03	3.20E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00871	2.90E-03	4.80E-02	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.008	1.53E-03	2.90E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0449	4.00E-03	4.90E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00191	2.70E-03	3.60E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00529	1.93E-03	3.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00638	1.67E-03	5.00E-02	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.117	3.23E-01	3.20E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.06	5.33E-01	4.30E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.36	4.33E-01	3.80E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.79	4.33E-01	4.60E+00	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.752	5.00E-01	5.00E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.9	3.67E-01	3.30E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.24	4.00E-01	3.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.517	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.1	4.00E-01	3.60E+00	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.703	3.33E-01	3.50E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.577	4.33E-01	4.60E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.94	5.00E-01	3.20E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.35	5.00E-01	3.60E+00	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.275	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.41	3.27E-01	2.80E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.878	3.67E-01	4.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0292	4.67E-01	4.50E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.06	5.00E-01	5.10E+00	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.41	2.40E-01	2.10E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.32	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0599	2.33E-01	2.70E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.581	1.57E-01	1.60E+00	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.623	1.03E-01	9.50E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.568	1.73E-01	1.80E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.02	2.00E-01	1.90E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.805	2.00E-01	2.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.834	2.13E-01	2.20E+00	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.17	2.77E-01	2.60E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	-1.06	2.03E-01	2.10E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.24	2.83E-01	2.40E+00	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.25	2.53E-01	2.30E+00	—	pCi/L	U	U	09-1172	CAMO-09-5492	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	06/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.11	2.33E-01	2.10E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.284	2.27E-01	2.40E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.95	2.67E-01	2.50E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.15	2.70E-01	2.50E+00	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	56.4	7.33E+00	5.90E+01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	72.4	8.00E+00	6.40E+01	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	58.3	1.63E+01	6.60E+01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	28.7	4.67E+00	4.70E+01	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	37.9	1.73E+01	5.70E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	70.8	1.37E+01	7.50E+01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.7	7.67E+00	7.20E+01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	65.3	3.67E+00	3.80E+01	—	pCi/L	—	—	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	34.8	1.07E+01	3.10E+01	—	pCi/L	—	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	14.1	2.70E+00	2.70E+01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.65	4.33E+00	4.00E+01	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.1	4.00E+00	4.00E+01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.2	4.00E+00	3.80E+01	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.2	3.33E+00	3.50E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.12	3.30E+00	2.80E+01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.1	3.33E+00	3.40E+01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.1	3.33E+00	3.40E+01	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.372	3.33E+00	3.50E+01	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0024	8.00E-04	4.30E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.80E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00173	5.67E-04	2.70E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00548	3.67E-03	3.90E-02	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0122	3.67E-03	3.20E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00202	4.67E-03	3.60E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0018	8.33E-04	2.80E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00166	5.67E-04	2.60E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00398	9.33E-04	3.10E-02	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0048	1.60E-03	4.40E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00518	1.00E-03	3.30E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00356	8.33E-04	3.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00274	2.73E-03	5.50E-02	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0142	2.23E-03	4.00E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00606	1.50E-03	3.70E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0083	1.23E-03	3.20E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0144	1.70E-03	3.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00996	1.50E-03	4.30E-02	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	8.73	5.33E+00	3.00E+01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.00E+00	6.00E+01	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	4.51	5.33E+00	5.50E+01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	8.95	6.67E+00	7.10E+01	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.5	6.00E+00	5.70E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.6	4.67E+00	4.50E+01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.62	6.33E+00	6.20E+01	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.3	5.67E+00	5.30E+01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.4	5.67E+00	5.40E+01	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.152	4.00E-02	4.20E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.385	5.67E-02	4.90E-01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.273	6.00E-02	6.00E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.654	6.67E-02	5.00E-01	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.578	3.33E-01	3.30E+00	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.02	4.67E-01	5.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.119	4.33E-01	4.50E+00	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.72	5.00E-01	4.40E+00	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.41	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.9	3.67E-01	3.50E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.01	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.44	3.23E-01	4.00E+00	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.36	3.17E-01	3.70E+00	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.13	3.33E-02	4.40E-01	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0155	4.67E-02	5.30E-01	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0082	4.33E-02	4.70E-01	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.271	4.67E-02	4.60E-01	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.209	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.057	4.67E-02	4.70E-01	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.165	4.67E-02	4.70E-01	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.172	5.00E-02	4.90E-01	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.361	5.33E-02	5.00E-01	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-10260	UMTL
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2461	CAMO-09-10498	UMTL
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1955	CAMO-09-8218	UMTL
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1955	CAMO-09-9273	UMTL
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1173	CAMO-09-5490	UMTL
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.255	9.00E-03	6.90E-02	—	pCi/L	—	—	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.38	1.47E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.39	1.47E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.339	1.37E-02	1.20E-01	—	pCi/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.376	1.37E-02	8.90E-02	—	pCi/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.302	1.00E-02	6.60E-02	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.3	1.27E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.346	1.40E-02	1.20E-01	—	pCi/L	—	—	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.344	1.23E-02	8.10E-02	—	pCi/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0191	2.40E-03	3.10E-02	—	pCi/L	U	U	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.67E-03	5.30E-02	—	pCi/L	U	U	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0152	2.57E-03	5.70E-02	—	pCi/L	U	U	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0112	2.80E-03	5.40E-02	—	pCi/L	U	U	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0288	3.10E-03	4.40E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0303	2.70E-03	3.00E-02	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.90E-03	5.40E-02	—	pCi/L	U	U	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0145	3.33E-03	5.50E-02	—	pCi/L	U	U	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.026	3.67E-03	3.70E-02	—	pCi/L	U	U	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.139	6.00E-03	3.10E-02	—	pCi/L	—	—	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.172	9.00E-03	6.20E-02	—	pCi/L	—	—	09-1872	CAMO-09-8217	GELC
R-46	8741	1340	05/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.191	9.00E-03	5.70E-02	—	pCi/L	—	—	09-1872	CAMO-09-9272	GELC
R-46	8741	1340	03/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.194	9.33E-03	6.90E-02	—	pCi/L	—	—	09-1172	CAMO-09-5492	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	9.00E-03	4.40E-02	—	pCi/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	6.33E-03	3.00E-02	—	pCi/L	—	—	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.156	8.33E-03	5.80E-02	—	pCi/L	—	—	09-1872	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.209	1.00E-02	5.90E-02	—	pCi/L	—	—	09-1872	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.196	8.33E-03	4.80E-02	—	pCi/L	—	—	09-1172	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	39.1	—	—	2.00E+00	µg/L	—	—	09-2829	CAMO-09-10261	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	26	—	—	2.10E+00	µg/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	38.2	—	—	2.20E+00	µg/L	—	—	09-2385	CAMO-09-10525	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	30.8	—	—	2.20E+00	µg/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	77.4	—	—	2.10E+00	µg/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	96.4	—	—	2.30E+00	µg/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	11.1	—	—	2.20E+00	µg/L	U	U	09-1171	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Di-n-octylphthalate	—	3.07	—	—	3.00E+00	µg/L	J	J	09-2829	CAMO-09-10261	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Svoa	SW-846:8270C	Di-n-octylphthalate	<	11.1	—	—	3.30E+00	µg/L	U	U	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Di-n-octylphthalate	<	11.4	—	—	3.40E+00	µg/L	U	U	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Svoa	SW-846:8270C	Di-n-octylphthalate	<	10.6	—	—	3.20E+00	µg/L	U	U	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Svoa	SW-846:8270C	Di-n-octylphthalate	<	11.1	—	—	3.30E+00	µg/L	U	U	09-1171	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	34.5	—	—	3.50E+00	µg/L	—	—	09-2829	CAMO-09-10261	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	20.1	—	—	3.50E+00	µg/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	19.5	—	—	3.50E+00	µg/L	—	—	09-2385	CAMO-09-10525	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	16.8	—	—	3.50E+00	µg/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	64.1	—	—	3.50E+00	µg/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	60.3	—	—	3.50E+00	µg/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	10	—	—	3.50E+00	µg/L	U	UJ	09-1171	CAMO-09-5490	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	FD	Voa	SW-846:8260B	Toluene	—	3.05	—	—	2.50E-01	µg/L	—	—	09-2829	CAMO-09-10261	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	4.58	—	—	2.50E-01	µg/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	FD	Voa	SW-846:8260B	Toluene	—	6.37	—	—	2.50E-01	µg/L	—	—	09-2385	CAMO-09-10525	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	3.3	—	—	2.50E-01	µg/L	—	—	09-2385	CAMO-09-10498	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	10.6	—	—	2.50E-01	µg/L	—	—	09-1870	CAMO-09-9273	GELC
R-46	8741	1340	05/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	10.9	—	—	2.50E-01	µg/L	—	—	09-1870	CAMO-09-8218	GELC
R-46	8741	1340	03/11/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	µg/L	U	U	09-1171	CAMO-09-5490	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000298	—	—	2.98E-06	µg/L	—	—	09-2957	CAMO-09-9454	ALTC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.0000682	—	—	6.82E-06	µg/L	U	U	08-681	CAMO-08-10874	ALTC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000286	—	—	2.86E-06	µg/L	—	J	28772	AU07020PE2ST01	ALTC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000473	—	—	—	µg/L	—	—	G341-269	GU06090PE2ST01	SGSW
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000125	—	—	1.25E-05	µg/L	J	J	09-2957	CAMO-09-9454	ALTC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000159	—	—	1.59E-05	µg/L	J	J	08-681	CAMO-08-10874	ALTC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.000016	—	—	1.60E-05	µg/L	BJ	U, J	28772	AU07020PE2ST01	ALTC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000222	—	—	—	µg/L	—	U	G341-269	GU06090PE2ST01	SGSW
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.7	—	—	7.30E-01	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.9	—	—	7.30E-01	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.2	—	—	7.30E-01	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.4	—	—	7.25E-01	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	104	—	—	7.25E-01	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	99.8	—	—	7.25E-01	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.1	—	—	5.00E-02	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.9	—	—	3.00E-02	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.3	—	—	3.00E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.9	—	—	3.60E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	36	—	—	3.60E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.6	—	—	5.00E-02	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.9	—	—	3.00E-02	mg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.8	—	—	3.00E-02	mg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.7	—	—	3.60E-02	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.7	—	—	3.60E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.2	—	—	6.60E-02	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	9.04	—	—	6.60E-02	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.8	—	—	1.30E-01	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.88	—	—	6.60E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.75	—	—	6.60E-02	mg/L	—	J	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	4.8	—	—	6.60E-02	mg/L	—	J	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.215	—	—	3.30E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.266	—	—	3.30E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.375	—	—	3.30E-02	mg/L	—	U	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.394	—	—	3.30E-02	mg/L	—	U	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	90.2	—	—	3.50E-01	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.3	—	—	3.50E-01	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.2	—	—	4.30E-01	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.7	—	—	4.40E-01	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	107	—	—	8.50E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	91.8	—	—	3.50E-01	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	89	—	—	3.50E-01	mg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.5	—	—	4.30E-01	mg/L	—	—	08-677	CAMO-08-10874	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.4	—	—	4.40E-01	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	107	—	—	8.50E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.04	—	—	8.50E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.16	—	—	8.50E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	8.50E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.74	—	—	8.50E-02	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.33	—	—	8.50E-02	mg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.9	—	—	5.00E-02	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.98	—	—	5.00E-02	mg/L	—	J	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.4	—	—	5.00E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.03	—	—	5.00E-02	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.62	—	—	5.00E-02	mg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.77	—	—	5.00E-02	mg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.81	—	—	5.00E-02	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.51	—	—	5.00E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	16	—	—	3.20E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	19.5	—	—	3.20E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	21.6	—	—	3.20E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.09	—	—	1.00E-01	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	5.31	—	—	4.50E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.12	—	—	4.50E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.23	—	—	1.00E-01	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	4.50E-02	mg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	5.48	—	—	4.50E-02	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.34	—	—	4.50E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	220	—	—	1.00E+00	µS/cm	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	630	—	—	1.00E+00	µS/cm	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	µS/cm	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	µS/cm	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	247	—	—	1.00E+00	µS/cm	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	242	—	—	1.00E+00	µS/cm	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.35	—	—	1.00E-01	mg/L	—	J+	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.47	—	—	1.00E-01	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.27	—	—	1.00E-01	mg/L	—	J-	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.8	—	—	1.00E-01	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.12	—	—	1.00E-01	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.92	—	—	1.00E-01	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2	—	—	1.10E+00	mg/L	J	J	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	8	—	—	2.30E+00	mg/L	J	J	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	4.2	—	—	1.10E+00	mg/L	J	J	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.6	—	—	1.14E+00	mg/L	J	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	4.8	—	—	2.28E+00	mg/L	J	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	181	—	—	2.40E+00	mg/L	—	J	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	177	—	—	2.40E+00	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	118	—	—	2.40E+00	mg/L	—	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.38E+00	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.38E+00	mg/L	—	—	174878	GU06090PE2ST01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.38E+00	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.549	—	—	1.00E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.29	—	—	1.00E-02	mg/L	—	J+	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.603	—	—	3.30E-02	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.059	—	—	2.90E-02	mg/L	J	J-	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.602	—	—	2.90E-02	mg/L	—	J+	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.514	—	—	1.00E-02	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.374	—	—	1.00E-02	mg/L	—	J+	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	20.2	—	—	6.60E-01	mg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	20	—	—	6.60E-01	mg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.5	—	—	3.30E-01	mg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.2	—	—	3.30E-01	mg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.3	—	—	3.30E-01	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.103	—	—	1.50E-02	mg/L	—	J-	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.193	—	—	2.40E-02	mg/L	—	J-	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.066	—	—	2.40E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.08	—	—	1.00E-02	mg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.079	—	—	1.00E-02	mg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.085	—	—	1.00E-02	mg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.44	—	—	1.00E-02	SU	H	J-	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	1.00E-02	SU	H	J-	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.62	—	—	1.00E-02	SU	H	J	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.52	—	—	1.00E-02	SU	H	J	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	198	—	—	6.80E+01	µg/L	J	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1340	—	—	6.80E+01	µg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	353	—	—	6.80E+01	µg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	145	—	—	6.80E+01	µg/L	J	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	233	—	—	6.80E+01	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3970	—	—	6.80E+01	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3270	—	—	6.80E+01	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	3290	—	—	6.80E+01	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	574	—	—	6.80E+01	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	84.3	—	—	1.00E+00	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	87.6	—	—	1.00E+00	µg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	49.1	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	61.1	—	—	1.00E+00	µg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	93.5	—	—	1.00E+00	µg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	87.7	—	—	1.00E+00	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	101	—	—	1.00E+00	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	57.1	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	74.5	—	—	1.00E+00	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	96.4	—	—	1.00E+00	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	µg/L	J	J	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	33.1	—	—	1.00E+01	µg/L	J	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.00E+01	µg/L	J	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	10.9	—	—	1.00E+01	µg/L	J	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.00E+01	µg/L	J	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.6	—	—	1.50E+01	µg/L	J	J	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	35.2	—	—	1.00E+01	µg/L	J	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.00E+01	µg/L	J	J	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.9	—	—	1.00E+01	µg/L	J	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.00E+01	µg/L	J	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.37	—	—	1.00E+00	µg/L	J	J	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-677	CAMO-08-10873	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	1	—	—	1.00E+00	µg/L	U	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	2.8	—	—	1.00E+00	µg/L	J	J+, U	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	1	—	—	1.00E+00	µg/L	U	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	2.8	—	—	1.00E+00	µg/L	J	J+, U	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	7.18	—	—	3.00E+00	µg/L	J	J	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	9.7	—	—	3.00E+00	µg/L	J	J	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.4	—	—	3.00E+00	µg/L	J	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	8.2	—	—	3.00E+00	µg/L	J	J-	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	3	—	—	3.00E+00	µg/L	U	UJ, R	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.63	—	—	3.00E+00	µg/L	J	J	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	15.7	—	—	3.00E+00	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	5	—	—	3.00E+00	µg/L	J	J	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	10	—	—	3.00E+00	µg/L	—	J-	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	3	—	—	3.00E+00	µg/L	U	UJ, R	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	198	—	—	3.00E+01	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	105	—	—	2.50E+01	µg/L	E	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	714	—	—	2.50E+01	µg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	194	—	—	1.80E+01	µg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	64.3	—	—	1.80E+01	µg/L	J	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	385	—	—	3.00E+01	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	2040	—	—	2.50E+01	µg/L	E	J	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1830	—	—	2.50E+01	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	1750	—	—	1.80E+01	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	285	—	—	1.80E+01	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	0.85	—	—	5.00E-01	µg/L	J	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	µg/L	U	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	µg/L	U	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.773	—	—	5.00E-01	µg/L	J	J	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.1	—	—	5.00E-01	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.9	—	—	5.00E-01	µg/L	J	J	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2	—	—	5.00E-01	µg/L	J	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	µg/L	U	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	85.1	—	—	2.00E+00	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	µg/L	J	J	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.6	—	—	2.00E+00	µg/L	J	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.5	—	—	2.00E+00	µg/L	J	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	85	—	—	2.00E+00	µg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	77.2	—	—	2.00E+00	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.1	—	—	2.00E+00	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	20.1	—	—	2.00E+00	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15.1	—	—	2.00E+00	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	86.4	—	—	2.00E+00	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.73	—	—	1.00E-01	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	11.8	—	—	1.00E-01	µg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	µg/L	—	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	5.2	—	—	2.00E+00	µg/L	J	U	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10.9	—	—	2.00E+00	µg/L	—	U	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	9.88	—	—	1.00E-01	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.6	—	—	1.00E-01	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	µg/L	—	J	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	8.1	—	—	2.00E+00	µg/L	J	U	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	11.4	—	—	2.00E+00	µg/L	—	U	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.55	—	—	5.00E-01	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.3	—	—	5.00E-01	µg/L	—	—	08-1700	CAMO-08-14432	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2	—	—	5.00E-01	µg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.3	—	—	5.00E-01	µg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.55	—	—	5.00E-01	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.2	—	—	5.00E-01	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.7	—	—	5.00E-01	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.7	—	—	5.00E-01	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.4	—	—	5.00E-01	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	21.5	—	—	5.30E-02	mg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	25.5	—	—	3.20E-02	mg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	22.8	—	—	3.20E-02	mg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	120	—	—	1.00E+00	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	µg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.6	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	94.4	—	—	1.00E+00	µg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	135	—	—	1.00E+00	µg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	122	—	—	1.00E+00	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00E+00	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.1	—	—	1.00E+00	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	98	—	—	1.00E+00	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	135	—	—	1.00E+00	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	µg/L	—	—	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.77	—	—	5.00E-02	µg/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	µg/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	µg/L	—	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	3.6	—	—	5.00E-02	µg/L	—	—	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	µg/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.92	—	—	5.00E-02	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.5	—	—	5.00E-02	µg/L	—	—	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.7	—	—	1.00E+00	µg/L	J	J	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.8	—	—	1.00E+00	µg/L	J	J	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.5	—	—	1.00E+00	µg/L	J	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.8	—	—	1.00E+00	µg/L	J	—	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5.2	—	—	1.00E+00	µg/L	—	U, J+	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.24	—	—	1.00E+00	µg/L	J	J	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5	—	—	1.00E+00	µg/L	J	J	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	µg/L	—	—	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.1	—	—	1.00E+00	µg/L	—	J+, U	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.71	—	—	3.30E+00	µg/L	J	J	09-2958	CAMO-09-9455	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.4	—	—	2.00E+00	µg/L	J	J	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.9	—	—	2.00E+00	µg/L	J	J	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	03/05/07	WS	F	CS	—	Metals	SW-846:6010B	Zinc	<	3	—	—	2.00E+00	µg/L	J	U	181873	GF07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	F	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	µg/L	U	UJ	174878	GF06090PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.28	—	—	3.30E+00	µg/L	J	J	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15	—	—	2.00E+00	µg/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.8	—	—	2.00E+00	µg/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	03/05/07	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10.3	—	—	2.00E+00	µg/L	—	U	181873	GU07020PE2ST01	GELC
TS-2E	n/a	n/a	10/24/06	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	<	2	—	—	2.00E+00	µg/L	U	UJ	174878	GU06090PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0284	3.30E-03	3.50E-02	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00351	1.37E-03	3.70E-02	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	HASL-300	Americium-241	<	0.0128	2.48E-03	3.40E-02	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00118	8.00E-04	2.90E-02	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00694	2.50E-03	4.10E-02	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00918	2.67E-03	3.50E-02	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0228	2.67E-03	3.60E-02	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0138	5.33E-01	5.00E+00	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.62	4.67E-01	4.00E+00	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.502	2.71E-01	2.73E+00	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.228	5.33E-01	5.20E+00	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0382	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0382	3.67E-01	3.60E+00	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.725	2.29E-01	2.47E+00	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.29	4.67E-01	4.10E+00	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.759	4.67E-01	3.70E+00	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.02	2.95E-01	2.94E+00	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.594	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.323	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.703	3.67E-01	3.70E+00	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.26	2.28E-01	2.52E+00	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.905	1.03E-01	9.00E-01	—	pCi/L	—	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:900	Gross beta	—	29.6	3.26E-01	1.30E+00	—	pCi/L	—	—	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	32.9	1.17E+00	3.50E+00	—	pCi/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:900	Gross beta	—	26.8	3.33E-01	1.67E+00	—	pCi/L	—	—	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	28.4	1.70E+01	5.00E+01	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	86.4	2.27E+01	3.20E+02	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:901.1	Gross gamma	<	72.8	6.73E+01	2.20E+02	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	29.8	5.00E+00	4.00E+01	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.1	2.67E+00	2.70E+01	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	48.7	2.10E+01	2.00E+02	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	55.2	1.55E+01	2.05E+02	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.92	3.03E+00	3.00E+01	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.1	3.33E+00	2.90E+01	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.978	2.89E+00	2.10E+01	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.64	3.27E+00	3.20E+01	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.303	4.00E+00	3.30E+01	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.4	2.73E+00	2.80E+01	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.8	1.98E+00	1.88E+01	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0319	2.70E-03	2.50E-02	—	pCi/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0144	3.30E-03	3.50E-02	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00745	4.97E-03	3.90E-02	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0166	1.93E-03	2.60E-02	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0846	6.67E-03	3.50E-02	—	pCi/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0396	4.33E-03	3.30E-02	—	pCi/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.0727	5.67E-03	4.20E-02	—	pCi/L	—	J	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.023	2.30E-03	3.00E-02	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0216	2.43E-03	3.70E-02	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00931	2.85E-03	3.30E-02	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0149	1.67E-03	3.20E-02	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0523	4.67E-03	4.20E-02	—	pCi/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0533	3.33E-03	3.50E-02	—	pCi/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0323	3.20E-03	3.50E-02	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-29.6	6.67E+00	6.00E+01	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	10.1	7.00E+00	4.50E+01	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:901.1	Potassium-40	<	0.0547	6.73E+00	3.29E+01	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.84	5.67E+00	6.60E+01	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.8	6.33E+00	6.50E+01	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.4	4.67E+00	2.30E+01	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.5	2.47E+00	2.94E+01	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.58	4.33E-01	4.90E+00	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.123	3.30E-01	3.30E+00	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.421	2.73E-01	2.84E+00	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.355	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.827	5.00E-01	4.50E+00	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.21	3.67E-01	3.20E+00	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.087	2.03E-01	2.20E+00	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	11.1	3.23E-01	3.50E-01	—	pCi/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	6.42	2.00E-01	4.90E-01	—	pCi/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	EPA:905.0	Strontium-90	—	13.1	1.12E-01	3.27E-01	—	pCi/L	—	—	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	13.6	4.67E-01	1.30E+00	—	pCi/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	11.4	3.33E-01	2.90E-01	—	pCi/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	5.95	1.83E-01	5.60E-01	—	pCi/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	10.9	1.02E-01	3.46E-01	—	pCi/L	—	J	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	<	0.00149	4.67E-03	1.30E-01	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.000276	2.27E-03	1.50E-01	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.00307	1.60E-03	4.90E-02	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.233	8.67E-03	7.10E-02	—	pCi/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0865	5.00E-03	7.20E-02	—	pCi/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	HASL-300	Uranium-234	—	0.126	6.47E-03	7.90E-02	—	pCi/L	—	J	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.39	1.40E-02	8.40E-02	—	pCi/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.283	1.03E-02	8.60E-02	—	pCi/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.115	5.67E-03	6.60E-02	—	pCi/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.162	7.20E-03	7.20E-02	—	pCi/L	—	J	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0102	1.70E-03	3.80E-02	—	pCi/L	U	U	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00994	2.03E-03	3.50E-02	—	pCi/L	U	U	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	2.99E-03	4.80E-02	—	pCi/L	U	U	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0273	3.10E-03	4.80E-02	—	pCi/L	U	U	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0248	2.97E-03	4.60E-02	—	pCi/L	U	U	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00685	1.70E-03	3.30E-02	—	pCi/L	U	U	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0286	2.79E-03	4.40E-02	—	pCi/L	U	U	135558	GU0504PE2ST01	GELC
TS-2E	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.227	8.33E-03	3.70E-02	—	pCi/L	—	—	08-1700	CAMO-08-14432	GELC
TS-2E	n/a	n/a	02/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0925	5.00E-03	4.20E-02	—	pCi/L	—	—	08-677	CAMO-08-10873	GELC
TS-2E	n/a	n/a	04/28/05	WM	F	CS	—	Rad	HASL-300	Uranium-238	—	0.137	7.17E-03	5.60E-02	—	pCi/L	—	J	135558	GF0504PE2ST01	GELC
TS-2E	n/a	n/a	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.448	1.53E-02	4.40E-02	—	pCi/L	—	—	09-2958	CAMO-09-9454	GELC
TS-2E	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.258	1.00E-02	4.50E-02	—	pCi/L	—	—	08-1700	CAMO-08-14431	GELC
TS-2E	n/a	n/a	02/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	5.33E-03	3.90E-02	—	pCi/L	—	—	08-677	CAMO-08-10874	GELC
TS-2E	n/a	n/a	04/28/05	WM	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.162	7.10E-03	5.10E-02	—	pCi/L	—	—	135558	GU0504PE2ST01	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.5	—	—	7.30E-01	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	131	—	—	7.30E-01	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.4	—	—	7.30E-01	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.1	—	—	7.30E-01	mg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	3.00E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.00E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	3.00E-02	mg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	3.00E-02	mg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	3.00E-02	mg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.9	—	—	6.60E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.93	—	—	6.60E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.86	—	—	6.60E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.84	—	—	6.60E-02	mg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.169	—	—	3.30E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.214	—	—	3.30E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.174	—	—	3.30E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.167	—	—	3.30E-02	mg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.2	—	—	3.50E-01	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.5	—	—	3.50E-01	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	4.30E-01	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.1	—	—	3.50E-01	mg/L	—	—	09-2469	CAMO-09-10818	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.9	—	—	3.50E-01	mg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.1	—	—	4.30E-01	mg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.88	—	—	8.50E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.359	—	—	5.00E-02	mg/L	—	J	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.315	—	—	5.00E-02	mg/L	—	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.326	—	—	5.00E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.165	—	—	5.00E-02	mg/L	J	J-	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.321	—	—	5.00E-02	µg/L	—	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.31	—	—	5.00E-02	µg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.251	—	—	5.00E-02	µg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.64	—	—	5.00E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.99	—	—	4.50E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	4.50E-02	mg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	4.50E-02	mg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00E+00	µS/cm	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	µS/cm	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	µS/cm	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.1	—	—	1.00E-01	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.18	—	—	1.00E-01	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.17	—	—	1.00E-01	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.08	—	—	1.00E-01	mg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40E+00	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	124	—	—	2.40E+00	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	9.89	—	—	1.00E+00	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.5	—	—	1.00E+00	µg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	6.2	—	—	1.00E+00	µg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.5	—	—	1.00E+00	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	6.5	—	—	1.00E+00	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	6.6	—	—	1.00E+00	µg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.00E+01	µg/L	J	J	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.5	—	—	1.00E+01	µg/L	J	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	1.00E+01	µg/L	J	J	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	13.8	—	—	1.00E+01	µg/L	J	J	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.33	—	—	2.50E+00	µg/L	J	J	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.4	—	—	2.50E+00	µg/L	J	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.8	—	—	2.50E+00	µg/L	J	J	08-610	CAMO-08-10526	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	µg/L	J	J	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.1	—	—	2.50E+00	µg/L	J	J	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	48.2	—	—	2.50E+01	µg/L	J	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.4	—	—	2.50E+01	µg/L	J	J	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	630	—	—	2.50E+01	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	189	—	—	2.50E+01	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	69.4	—	—	2.50E+01	µg/L	J	J	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.9	—	—	5.00E-01	µg/L	J	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.2	—	—	5.00E-01	µg/L	J	J	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.44	—	—	5.00E-01	µg/L	J	J	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	4.3	—	—	5.00E-01	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.6	—	—	5.00E-01	µg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	9.47	—	—	2.00E+00	µg/L	J	J	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.1	—	—	2.00E+00	µg/L	J	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.5	—	—	2.00E+00	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.1	—	—	2.00E+00	µg/L	J	J	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.896	—	—	1.00E-01	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	µg/L	U	U	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.92	—	—	1.00E-01	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	10	—	—	2.00E+00	µg/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.5	—	—	3.20E-02	mg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.8	—	—	3.20E-02	mg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.9	—	—	3.20E-02	mg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	11/12/07	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.3	—	—	3.20E-02	mg/L	—	—	08-162	CASA-08-8049	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51	—	—	1.00E+00	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.8	—	—	1.00E+00	µg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	µg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	1.00E+00	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	µg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.31	—	—	3.00E-01	µg/L	J	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.658	—	—	3.00E-01	µg/L	J	J	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.855	—	—	5.00E-02	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	µg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.57	—	—	5.00E-02	µg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.856	—	—	5.00E-02	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	µg/L	—	—	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.56	—	—	5.00E-02	µg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.5	—	—	1.00E+00	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.3	—	—	1.00E+00	µg/L	—	J	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	µg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.56	—	—	1.00E+00	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	µg/L	—	J	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.2	—	—	1.00E+00	µg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	198	—	—	2.00E+00	µg/L	—	—	09-2469	CAMO-09-10819	GELC
Test Well 8	4731	953	05/17/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	270	—	—	2.00E+00	µg/L	—	—	08-1176	CAMO-08-12745	GELC
Test Well 8	4731	953	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	263	—	—	2.00E+00	µg/L	—	—	08-610	CAMO-08-10526	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	253	—	—	2.00E+00	µg/L	—	—	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	303	—	—	2.00E+00	µg/L	—	—	08-1176	CAMO-08-12747	GELC

Table C-3 Mortandad Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	300	—	—	2.00E+00	µg/L	—	—	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.268	3.33E-02	2.90E-01	—	pCi/L	U	U	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.255	3.67E-02	3.10E-01	—	pCi/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	11/12/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.232	3.67E-02	3.20E-01	—	pCi/L	U	U	08-162	CASA-08-8052	GELC
Test Well 8	4731	953	06/16/04	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.268	3.67E-02	3.15E-01	—	pCi/L	U	U	115235	GU04060G8WT01	GELC
Test Well 8	4731	953	06/16/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	4.06	1.35E+00	6.67E+00	—	pCi/L	U	U	115235	GU04060G8WT01	GELC
Test Well 8	4731	953	06/16/04	WG	UF	DUP	—	Rad	EPA:901.1	Radium-226	—	11.3	1.14E+00	5.92E+00	—	pCi/L	—	—	115235	GU04060G8WT01	GELC
Test Well 8	4731	953	07/31/03	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	7.59	1.40E+00	1.01E+01	—	pCi/L	U	U	85343	GU03070G8WT01	GELC
Test Well 8	4731	953	07/31/03	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	3.99	1.34E-01	4.98E-01	—	pCi/L	—	—	85343	GU03070G8WT01	GELC
Test Well 8	4731	953	07/31/03	WG	UF	DUP	—	Rad	EPA:901.1	Radium-226	<	3.53	7.37E-01	8.11E+00	—	pCi/L	U	—	85343	GU03070G8WT01	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.378	7.00E-02	6.50E-01	—	pCi/L	U	U	09-2469	CAMO-09-10818	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.6	8.00E-02	6.70E-01	—	pCi/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	11/12/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.591	6.00E-02	4.40E-01	—	pCi/L	—	—	08-162	CASA-08-8052	GELC
Test Well 8	4731	953	06/16/04	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	2.52	1.23E+00	1.40E+01	—	pCi/L	U	U	115235	GU04060G8WT01	GELC
Test Well 8	4731	953	06/16/04	WG	UF	DUP	—	Rad	EPA:901.1	Radium-228	<	7.38	1.23E+00	1.47E+01	—	pCi/L	U	—	115235	GU04060G8WT01	GELC
Test Well 8	4731	953	07/31/03	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	6.35	2.65E+00	2.24E+01	—	pCi/L	U	U	85343	GU03070G8WT01	GELC
Test Well 8	4731	953	07/31/03	WG	UF	DUP	—	Rad	EPA:901.1	Radium-228	<	5.66	2.74E+00	1.49E+01	—	pCi/L	U	—	85343	GU03070G8WT01	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	FD	Voa	SW-846:8260B	Chloromethane	—	0.336	—	—	3.00E-01	µg/L	J	J	09-2468	CAMO-09-10821	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	—	0.484	—	—	3.00E-01	µg/L	J	J	09-2468	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-610	CAMO-08-10529	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	FD	Voa	SW-846:8260B	Toluene	—	0.378	—	—	2.50E-01	µg/L	J	J	09-2468	CAMO-09-10821	GELC
Test Well 8	4731	953	06/24/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	0.414	—	—	2.50E-01	µg/L	J	J	09-2468	CAMO-09-10818	GELC
Test Well 8	4731	953	05/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	µg/L	U	U	08-1176	CAMO-08-12747	GELC
Test Well 8	4731	953	02/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	µg/L	U	U	08-610	CAMO-08-10529	GELC

^a n/a = Not applicable.

^b — = None.

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a ^a	n/a	08/19/09	WS	F	CS	— ^b	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	129	—	—	7.30E-01	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	153	—	—	7.30E-01	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	151	—	—	7.30E-01	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	131	—	—	7.30E-01	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.361	—	—	6.60E-02	mg/L	—	J+	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.301	—	—	6.60E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.319	—	—	6.70E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.331	—	—	6.70E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.377	—	—	6.70E-02	mg/L	—	J-	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.8	—	—	5.00E-02	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.6	—	—	3.00E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.2	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	3.00E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.6	—	—	5.00E-02	mg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.4	—	—	3.00E-02	mg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.4	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	3.00E-02	mg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	72	—	—	6.60E-01	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	120	—	—	6.60E-01	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	136	—	—	6.60E-01	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	70.2	—	—	6.60E-01	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.1	—	—	6.60E-01	mg/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.419	—	—	3.30E-02	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.591	—	—	3.30E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.463	—	—	3.30E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.397	—	—	3.30E-02	mg/L	—	J-	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.1	—	—	3.50E-01	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	111	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8238	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	109	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.5	—	—	3.50E-01	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	89.3	—	—	3.50E-01	mg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	113	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.4	—	—	3.50E-01	mg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.47	—	—	8.50E-02	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.41	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.65	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.74	—	—	8.50E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.76	—	—	8.50E-02	mg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.31	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.09	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.76	—	—	8.50E-02	mg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.257	—	—	5.00E-02	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0354	—	—	1.00E-02	mg/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.17	—	—	5.00E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	5.00E-02	mg/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.146	—	—	5.00E-02	µg/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.376	—	—	5.00E-02	µg/L	—	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.27	—	—	1.00E-01	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.355	—	—	5.00E-02	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.131	—	—	5.00E-02	µg/L	J	J	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.2	—	—	5.00E-02	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.6	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.4	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.8	—	—	5.00E-02	mg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8239	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.1	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.1	—	—	1.00E-01	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	120	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	77.5	—	—	4.50E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	73	—	—	1.00E-01	mg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	107	—	—	4.50E-02	mg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	126	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	76.2	—	—	4.50E-02	mg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	570	—	—	1.00E+00	µS/cm	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	747	—	—	1.00E+00	µS/cm	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	815	—	—	1.00E+00	µS/cm	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	561	—	—	1.00E+00	µS/cm	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.9	—	—	1.00E-01	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.4	—	—	1.00E-01	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23.1	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.5	—	—	1.00E-01	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16.6	—	—	1.00E-01	mg/L	—	J-	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	427	—	—	2.40E+00	mg/L	—	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	497	—	—	2.40E+00	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	526	—	—	2.40E+00	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	386	—	—	2.40E+00	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	357	—	—	2.40E+00	mg/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.228	—	—	3.30E-02	mg/L	—	—	09-2955	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.367	—	—	3.30E-02	mg/L	—	J-	09-1745	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-847	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.199	—	—	2.90E-02	mg/L	—	U	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.038	—	—	2.90E-02	mg/L	J	J	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.98	—	—	3.30E-01	mg/L	—	—	09-2955	CASA-09-10310	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.5	—	—	3.30E-01	mg/L	—	—	09-1745	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.16	—	—	3.30E-01	mg/L	—	—	09-847	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.64	—	—	3.30E-01	mg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.86	—	—	3.30E-01	mg/L	—	—	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.08	—	—	7.50E-02	mg/L	—	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.64	—	—	1.50E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.31	—	—	2.40E-02	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.66	—	—	2.40E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.58	—	—	2.40E-02	mg/L	—	J-	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.82	—	—	1.00E-02	SU	H	J-	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.35	—	—	1.00E-02	SU	H	J-	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	134	—	—	6.80E+01	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	241	—	—	6.80E+01	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	84.9	—	—	6.80E+01	µg/L	J	J	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.31	—	—	1.50E+00	µg/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.5	—	—	1.50E+00	µg/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.72	—	—	1.50E+00	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.6	—	—	1.50E+00	µg/L	J	J	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.3	—	—	1.50E+00	µg/L	J	J	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	32.6	—	—	1.00E+00	µg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	34.8	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8238	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	28.2	—	—	1.00E+00	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.5	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	51.5	—	—	1.50E+01	µg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	68.3	—	—	1.00E+01	µg/L	—	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	43.2	—	—	1.00E+01	µg/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	41.5	—	—	1.00E+01	µg/L	J	J	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.4	—	—	1.50E+01	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	68.8	—	—	1.00E+01	µg/L	—	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	44.8	—	—	1.00E+01	µg/L	J	J	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	36.2	—	—	1.00E+01	µg/L	J	J	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.59	—	—	2.50E+00	µg/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	1.50E+00	µg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	1.50E+00	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.2	—	—	1.50E+00	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	2.50E+00	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.79	—	—	1.50E+00	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.2	—	—	1.50E+00	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.3	—	—	1.50E+00	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.47	—	—	3.00E+00	µg/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.1	—	—	3.00E+00	µg/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.1	—	—	3.00E+00	µg/L	J	J	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.67	—	—	3.00E+00	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.09	—	—	3.00E+00	µg/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.2	—	—	3.00E+00	µg/L	J	J	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.4	—	—	3.00E+00	µg/L	J	J	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	3.00E+01	µg/L	—	—	09-2956	CASA-09-10311	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	72.2	—	—	2.50E+01	µg/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	105	—	—	2.50E+01	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	97.2	—	—	2.50E+01	µg/L	J	J	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	209	—	—	3.00E+01	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	120	—	—	2.50E+01	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	292	—	—	2.50E+01	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	136	—	—	2.50E+01	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.666	—	—	5.00E-01	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.83	—	—	5.00E-01	µg/L	J	J	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.43	—	—	2.00E+00	µg/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.31	—	—	2.00E+00	µg/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	µg/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	µg/L	J	J	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.33	—	—	2.00E+00	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.37	—	—	2.00E+00	µg/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	19.2	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.5	—	—	2.00E+00	µg/L	J	J	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.83	—	—	1.00E-01	µg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.52	—	—	1.00E-01	µg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.9	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.7	—	—	1.00E-01	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	10.1	—	—	1.00E-01	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.47	—	—	1.00E-01	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.9	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.6	—	—	1.00E-01	µg/L	—	—	09-213	CASA-09-838	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.67	—	—	5.00E-01	µg/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.82	—	—	5.00E-01	µg/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	µg/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.78	—	—	5.00E-01	µg/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	95.9	—	—	5.30E-02	mg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	96.7	—	—	3.20E-02	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	100	—	—	1.60E-01	mg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	96.6	—	—	3.20E-02	mg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.7	—	—	3.20E-02	mg/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.5	—	—	1.00E+00	µg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.487	—	—	3.00E-01	µg/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.652	—	—	5.00E-02	µg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.921	—	—	5.00E-02	µg/L	—	J	09-1746	CASA-09-8238	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.92	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.671	—	—	5.00E-02	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.97	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.94	—	—	1.00E+00	µg/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.1	—	—	1.00E+00	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.63	—	—	1.00E+00	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.3	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.9	—	—	1.00E+00	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.4	—	—	3.30E+00	µg/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	21	—	—	2.00E+00	µg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.6	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	17.9	—	—	2.00E+00	µg/L	—	—	09-213	CASA-09-837	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.1	—	—	3.30E+00	µg/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.2	—	—	2.00E+00	µg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.5	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/04/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18.8	—	—	2.00E+00	µg/L	—	—	09-213	CASA-09-838	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0066	1.37E-03	3.60E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.013	2.87E-03	3.50E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00917	1.67E-03	4.00E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Americium-241	<	0.00288	1.23E-03	4.00E-02	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00224	6.67E-04	2.90E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0142	1.97E-03	3.40E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00368	5.00E-03	6.20E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0155	2.87E-03	4.10E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00343	9.00E-04	3.80E-02	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-8.53	9.33E-01	6.80E+00	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.67	5.33E-01	4.40E+00	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.247	3.07E-01	3.00E+00	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0309	4.67E-01	4.10E+00	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.83	4.00E-01	4.60E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.43	4.67E-01	5.10E+00	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.05	5.00E-01	4.50E+00	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.784	4.00E-01	4.10E+00	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.07	4.67E-01	4.30E+00	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.112	8.33E-01	8.20E+00	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.956	4.00E-01	3.30E+00	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.38	3.67E-01	3.90E+00	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.532	3.33E-01	3.20E+00	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.08	3.67E-01	4.00E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.69	5.00E-01	5.60E+00	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.51	5.00E-01	5.30E+00	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.875	4.00E-01	4.10E+00	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.752	4.00E-01	3.50E+00	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.324	1.30E-01	1.40E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/21/07	WP	F	CS	—	Rad	EPA:900	Gross beta	—	13.9	7.10E-01	3.62E+00	—	pCi/L	—	—	192216	GF070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	06/19/07	WP	F	CS	—	Rad	EPA:900	Gross beta	—	12.5	6.87E-01	4.39E+00	—	pCi/L	—	J	188310	GF070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/22/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	22.8	5.03E-01	3.03E+00	—	pCi/L	—	—	181347	GF070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	10/18/06	WP	F	CS	—	Rad	EPA:900	Gross beta	—	12.6	4.47E-01	2.17E+00	—	pCi/L	—	—	174497	GF061000PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	12.5	5.67E-01	2.20E+00	—	pCi/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/21/07	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	18.3	8.33E-01	4.46E+00	—	pCi/L	—	—	192216	GU070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	06/19/07	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	17.1	8.20E-01	4.60E+00	—	pCi/L	—	—	188310	GU070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/22/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	20.3	5.13E-01	3.47E+00	—	pCi/L	—	—	181347	GU070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	10/18/06	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	7.89	3.87E-01	2.52E+00	—	pCi/L	—	—	174497	GU061000PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	20	7.00E+00	3.60E+01	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	65.3	2.37E+01	2.20E+02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	63.6	2.00E+01	2.10E+02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	46.6	1.03E+01	1.60E+02	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.7	5.33E+00	3.80E+01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.2	5.67E+00	2.20E+01	—	pCi/L	—	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69	1.70E+01	2.20E+02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	78.9	3.67E+01	2.80E+02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	44.8	1.37E+01	1.00E+02	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.08	6.33E+00	5.60E+01	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.59	4.33E+00	3.50E+01	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.8	2.30E+00	2.20E+01	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.37	3.33E+00	3.10E+01	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.8	3.33E+00	3.40E+01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-25.5	3.17E+00	2.60E+01	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.165	2.87E+00	2.70E+01	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.6	3.23E+00	3.30E+01	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-17.4	3.13E+00	2.70E+01	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0104	5.67E-03	2.90E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.33E-03	2.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00187	2.43E-03	3.40E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00199	1.13E-03	3.50E-02	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	5.67E-04	2.70E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0203	3.67E-03	3.20E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.005	1.23E-03	2.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0111	2.33E-03	3.40E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00595	1.47E-03	3.50E-02	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0125	2.40E-03	3.60E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00164	1.23E-03	2.70E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00187	1.40E-03	4.00E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0139	2.00E-03	3.40E-02	—	pCi/L	U	U	08-172	CASA-08-8662	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	5.67E-04	3.40E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0113	2.70E-03	3.80E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00167	1.23E-03	2.70E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00186	1.07E-03	4.00E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0297	2.60E-03	3.40E-02	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.1	1.17E+01	1.10E+02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	49.6	9.33E+00	3.20E+01	—	pCi/L	UI	R	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.38	7.67E+00	3.80E+01	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	<	16.3	9.00E+00	4.40E+01	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6	6.33E+00	6.60E+01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.6	5.00E+00	5.70E+01	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.5	8.33E+00	5.20E+01	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.9	4.67E+00	4.40E+01	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-34	6.33E+00	6.20E+01	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.498	8.33E-01	7.90E+00	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.767	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.1	2.93E-01	2.70E+00	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.975	3.67E-01	3.20E+00	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.87	4.33E-01	3.40E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.78	4.00E-01	3.70E+00	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.95	5.33E-01	4.70E+00	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.54	4.67E-01	4.90E+00	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.397	4.00E-01	3.60E+00	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0164	4.00E-02	4.50E-01	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.186	2.30E-02	3.30E-01	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0103	4.00E-02	4.60E-01	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0505	2.37E-02	2.40E-01	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.104	4.00E-02	4.50E-01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.377	4.67E-02	4.20E-01	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0698	3.33E-02	3.60E-01	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.151	2.83E-02	3.90E-01	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.334	5.00E-02	4.80E-01	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0126	4.67E-03	1.40E-01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0115	2.30E-03	1.50E-01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.00592	1.37E-03	4.90E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.226	9.33E-03	8.70E-02	—	pCi/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.288	1.00E-02	7.70E-02	—	pCi/L	—	—	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.473	1.57E-02	1.00E-01	—	pCi/L	—	—	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Uranium-234	—	0.342	1.23E-02	9.00E-02	—	pCi/L	—	—	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.213	9.67E-03	8.70E-02	—	pCi/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.242	8.33E-03	5.80E-02	—	pCi/L	—	—	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.297	1.03E-02	8.10E-02	—	pCi/L	—	—	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.427	1.40E-02	9.20E-02	—	pCi/L	—	—	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.35	1.23E-02	8.40E-02	—	pCi/L	—	—	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0157	3.67E-03	4.70E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0238	3.33E-03	4.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	1.68E-09	3.67E-03	5.00E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00661	2.70E-03	4.60E-02	—	pCi/L	U	U	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0126	2.13E-03	5.00E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0188	2.13E-03	3.10E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.014	2.50E-03	4.20E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0127	2.60E-03	4.50E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0186	2.57E-03	4.30E-02	—	pCi/L	U	U	08-172	CASA-08-8661	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.241	9.67E-03	4.60E-02	—	pCi/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.194	8.00E-03	4.70E-02	—	pCi/L	—	—	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.259	1.10E-02	6.00E-02	—	pCi/L	—	—	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Uranium-238	—	0.203	9.00E-03	5.60E-02	—	pCi/L	—	—	08-172	CASA-08-8662	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/19/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.178	8.33E-03	4.60E-02	—	pCi/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.198	7.33E-03	3.00E-02	—	pCi/L	—	—	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.186	8.00E-03	5.00E-02	—	pCi/L	—	—	08-1216	CASA-08-12824	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	02/19/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.301	1.10E-02	5.40E-02	—	pCi/L	—	—	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.264	1.03E-02	5.20E-02	—	pCi/L	—	—	08-172	CASA-08-8661	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.1	—	—	7.30E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.1	—	—	7.30E-01	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.9	—	—	3.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.6	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28	—	—	3.00E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31	—	—	3.00E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.6	—	—	3.00E-02	mg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.1	—	—	6.60E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.62	—	—	6.60E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.88	—	—	6.60E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.465	—	—	3.30E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.419	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.403	—	—	3.30E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.1	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	87.7	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.5	—	—	3.50E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.4	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	87.2	—	—	3.50E-01	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86.5	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.9	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	95.6	—	—	3.50E-01	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.3	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.2	—	—	3.50E-01	mg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.16	—	—	8.50E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	8.50E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	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	05/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.25	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.08	—	—	5.00E-02	mg/L	—	J-	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.624	—	—	5.00E-02	µg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.733	—	—	5.00E-02	µg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.725	—	—	5.00E-02	µg/L	—	J	09-890	CASA-09-2791	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/03/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.821	—	—	5.00E-02	µg/L	—	J+	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.672	—	—	5.00E-02	µg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.21	—	—	5.00E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.45	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.13	—	—	5.00E-02	mg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	4.50E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	4.50E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	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	02/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	4.50E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.9	—	—	4.50E-02	mg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	µS/cm	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00E+00	µS/cm	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236	—	—	1.00E+00	µS/cm	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	244	—	—	1.00E+00	µS/cm	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	248	—	—	1.00E+00	µS/cm	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.2	—	—	1.00E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.61	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10	—	—	1.00E-01	mg/L	—	J-	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.40E+00	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	78.5	—	—	1.00E+00	µg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	µg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.2	—	—	1.00E+00	µg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	83.3	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.9	—	—	1.00E+00	µg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79	—	—	1.00E+00	µg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.5	—	—	1.00E+00	µg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.7	—	—	1.00E+00	µg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.6	—	—	1.00E+00	µg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	µg/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.7	—	—	1.00E+01	µg/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.00E+01	µg/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.1	—	—	1.00E+01	µg/L	J	J	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.00E+01	µg/L	J	J	08-1668	CASA-08-14378	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	µg/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.00E+01	µg/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.00E+01	µg/L	J	J	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.2	—	—	1.00E+01	µg/L	J	J	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.2	—	—	1.00E+01	µg/L	J	J	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.27	—	—	2.50E+00	µg/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.22	—	—	1.50E+00	µg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.3	—	—	1.50E+00	µg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.4	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	5.9	—	—	1.50E+00	µg/L	—	U	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.09	—	—	2.50E+00	µg/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.12	—	—	1.50E+00	µg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.6	—	—	1.50E+00	µg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.2	—	—	1.50E+00	µg/L	—	U	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	µg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	µg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	µg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	µg/L	—	U	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.3	—	—	1.00E-01	µg/L	—	U	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	µg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	µg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	µg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	µg/L	—	U	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.3	—	—	1.00E-01	µg/L	—	U	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	5.00E-01	µg/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.917	—	—	5.00E-01	µg/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.8	—	—	5.00E-01	µg/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.85	—	—	5.00E-01	µg/L	J	J	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.56	—	—	5.00E-01	µg/L	J	J	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	µg/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.982	—	—	5.00E-01	µg/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1	—	—	5.00E-01	µg/L	J	J	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	µg/L	J	J	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	µg/L	J	J	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	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	05/12/09	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	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57	—	—	3.20E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.2	—	—	3.20E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.9	—	—	3.20E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	µg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	200	—	—	1.00E+00	µg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	218	—	—	1.00E+00	µg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	215	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	µg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	µg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	µg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	230	—	—	1.00E+00	µg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	212	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	197	—	—	1.00E+00	µg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	0.493	—	—	3.00E-01	µg/L	J	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.4	—	—	3.00E-01	µg/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.545	—	—	3.00E-01	µg/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-890	CASA-09-2792	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.52	—	—	5.00E-02	µg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.65	—	—	5.00E-02	µg/L	—	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.8	—	—	5.00E-02	µg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.8	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.7	—	—	5.00E-02	µg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.58	—	—	5.00E-02	µg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.67	—	—	5.00E-02	µg/L	—	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.9	—	—	5.00E-02	µg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.8	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.5	—	—	5.00E-02	µg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.23	—	—	1.00E+00	µg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.59	—	—	1.00E+00	µg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	µg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.5	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.8	—	—	1.00E+00	µg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	µg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.56	—	—	1.00E+00	µg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	µg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8	—	—	1.00E+00	µg/L	—	—	08-1668	CASA-08-14380	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0346	4.33E-03	4.40E-02	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000179	1.00E-03	4.60E-02	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000175	6.00E-04	2.50E-02	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00145	8.33E-04	4.50E-02	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.017	3.03E-03	3.40E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00071	1.60E-03	4.00E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	1.33E-03	4.40E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00349	8.00E-04	2.40E-02	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0042	1.27E-03	4.00E-02	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0144	4.00E-01	4.00E+00	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.26	5.67E-01	4.70E+00	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.31	4.33E-01	4.50E+00	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.15	4.67E-01	3.80E+00	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.27	6.00E-01	5.50E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.22	4.67E-01	3.90E+00	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.03	5.67E-01	5.20E+00	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.801	5.00E-01	4.90E+00	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.201	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.873	4.33E-01	3.90E+00	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0955	4.67E-01	4.60E+00	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.56	5.33E-01	5.60E+00	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.67	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.047	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.77	3.20E-01	4.20E+00	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.448	3.67E-01	3.80E+00	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.254	5.00E-01	4.80E+00	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.686	3.00E-01	2.70E+00	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	—	3	3.00E-01	1.70E+00	—	pCi/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.34	3.33E-01	2.80E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	2.79	2.93E-01	1.80E+00	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.51	3.27E-01	2.90E+00	—	pCi/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	08/15/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.09	3.06E-01	2.92E+00	—	pCi/L	U	U	191714	GF07080GR10A01	GELC
R-10a	6371	690	06/19/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.64	3.37E-01	2.82E+00	—	pCi/L	—	J	188307	GF07060GR10A01	GELC
R-10a	6371	690	02/20/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.47	3.28E-01	2.91E+00	—	pCi/L	—	J	181132	GF07020GR10A01	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.35	2.57E-01	2.00E+00	—	pCi/L	—	U	09-2855	CASA-09-10359	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.06	2.73E-01	2.30E+00	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	08/15/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.78	3.83E-01	2.83E+00	—	pCi/L	—	J	191714	GU07080GR10A01	GELC
R-10a	6371	690	06/19/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.51	4.63E-01	3.79E+00	—	pCi/L	—	J	188307	GU07060GR10A01	GELC
R-10a	6371	690	02/20/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.72	3.29E-01	2.73E+00	—	pCi/L	—	J	181132	GU07020GR10A01	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	73.7	6.33E+00	6.20E+01	—	pCi/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	37.7	6.33E+00	5.00E+01	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	30	8.67E+00	3.80E+01	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	127	5.00E+01	3.50E+02	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	42.5	7.00E+00	4.70E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	47.2	8.00E+00	4.90E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	29.6	7.00E+00	3.30E+01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18.5	5.00E+00	1.90E+01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	126	2.40E+01	2.40E+02	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.91	3.17E+00	3.10E+01	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14.2	4.00E+00	3.70E+01	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.6	4.00E+00	3.60E+01	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.1	3.07E+00	2.10E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.67	2.93E+00	3.00E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	3.17E+00	3.20E+01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.27	4.00E+00	3.50E+01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12	3.07E+00	3.00E+01	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.20E-02	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00813	3.00E-03	3.70E-02	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00424	1.40E-03	3.00E-02	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00388	2.23E-03	2.30E-02	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0204	3.20E-03	3.30E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0258	2.33E-03	2.90E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0127	2.00E-03	2.90E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0111	5.00E-03	5.20E-02	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00525	1.77E-03	2.10E-02	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00203	6.67E-04	3.90E-02	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00542	1.80E-03	5.40E-02	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00424	2.00E-03	3.60E-02	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00582	1.13E-03	3.10E-02	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00204	1.80E-03	4.00E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0221	2.17E-03	3.50E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00424	1.40E-03	4.20E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.76E-09	5.00E-03	6.30E-02	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00175	1.00E-03	2.80E-02	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-3	5.67E+00	5.50E+01	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-24.7	6.67E+00	6.20E+01	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.2	6.33E+00	5.90E+01	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.41	6.00E+00	6.40E+01	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.5	6.00E+00	5.70E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.4	6.00E+00	5.80E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12	5.33E+00	5.70E+01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.5	5.67E+00	6.10E+01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.9	5.00E+00	4.60E+01	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.301	4.00E-02	3.50E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.338	4.67E-02	4.20E-01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	02/19/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.256	6.67E-02	6.90E-01	—	pCi/L	U	U	08-652	CASA-08-10566	GELC
R-10a	6371	690	11/15/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	7.67E-02	7.40E-01	—	pCi/L	U	U	08-191	CASA-08-7427	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.587	8.33E-02	7.30E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.33	6.67E-02	6.40E-01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	02/19/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.177	6.67E-02	7.10E-01	—	pCi/L	U	U	08-652	CASA-08-10566	GELC
R-10a	6371	690	11/15/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.467	7.67E-02	6.90E-01	—	pCi/L	U	U	08-191	CASA-08-7427	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/12/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	4.00E-01	4.20E+00	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.42	4.67E-01	4.90E+00	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.157	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.04	3.67E-01	3.10E+00	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.13	4.67E-01	5.40E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.94	4.33E-01	3.70E+00	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.08	3.67E-01	3.20E+00	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.84	4.00E-01	2.90E+00	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0364	4.00E-02	4.50E-01	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0659	4.33E-02	4.50E-01	—	pCi/L	U	U	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0425	1.70E-02	1.70E-01	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0372	1.70E-02	1.70E-01	—	pCi/L	U	U	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.255	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.307	3.33E-02	4.40E-01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.108	4.00E-02	4.00E-01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0466	1.43E-02	1.50E-01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0968	2.23E-02	2.20E-01	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.41	4.00E-02	1.20E-01	—	pCi/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.34	3.67E-02	7.50E-02	—	pCi/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.27	3.67E-02	1.60E-01	—	pCi/L	—	—	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.48	3.67E-02	8.60E-02	—	pCi/L	—	—	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.17	3.33E-02	1.10E-01	—	pCi/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.41	3.67E-02	9.20E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.33	3.33E-02	7.60E-02	—	pCi/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.37	4.33E-02	1.90E-01	—	pCi/L	—	—	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.47	5.33E-02	2.40E-01	—	pCi/L	—	—	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0419	4.67E-03	5.80E-02	—	pCi/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.062	4.33E-03	4.20E-02	—	pCi/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0517	6.00E-03	8.50E-02	—	pCi/L	U	U	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.065	5.00E-03	4.40E-02	—	pCi/L	—	—	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0313	4.33E-03	5.30E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.065	4.67E-03	4.30E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.041	3.67E-03	4.30E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0736	8.33E-03	9.90E-02	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0569	8.67E-03	1.30E-01	—	pCi/L	U	U	08-1238	CASA-08-12868	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.749	2.40E-02	6.20E-02	—	pCi/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/12/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.9	2.47E-02	4.80E-02	—	pCi/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	08/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.847	2.80E-02	8.40E-02	—	pCi/L	—	—	08-1667	CASA-08-14378	GELC
R-10a	6371	690	05/27/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.827	2.20E-02	5.20E-02	—	pCi/L	—	J	08-1238	CASA-08-12869	GELC
R-10a	6371	690	08/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.7	2.23E-02	5.30E-02	—	pCi/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	05/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.773	2.27E-02	4.60E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	02/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.805	2.27E-02	4.80E-02	—	pCi/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	08/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.779	2.80E-02	9.70E-02	—	pCi/L	—	—	08-1667	CASA-08-14380	GELC
R-10a	6371	690	05/27/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.622	2.87E-02	1.50E-01	—	pCi/L	—	J	08-1238	CASA-08-12868	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.3	—	—	7.30E-01	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.5	—	—	7.30E-01	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	3.00E-02	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	3.00E-02	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.8	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	3.00E-02	mg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.69	—	—	6.60E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.04	—	—	6.60E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.97	—	—	6.60E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.82	—	—	6.60E-02	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.07	—	—	6.60E-02	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.58	—	—	3.30E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.509	—	—	3.30E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.471	—	—	3.30E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.444	—	—	3.30E-02	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.406	—	—	3.30E-02	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	3.50E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.7	—	—	3.50E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.3	—	—	3.50E-01	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.5	—	—	3.50E-01	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.3	—	—	3.50E-01	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.2	—	—	3.50E-01	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.1	—	—	3.50E-01	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.7	—	—	3.50E-01	mg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.8	—	—	3.50E-01	mg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.2	—	—	8.50E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.41	—	—	8.50E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.07	—	—	8.50E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.17	—	—	8.50E-02	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.16	—	—	8.50E-02	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.29	—	—	8.50E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.17	—	—	8.50E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.03	—	—	8.50E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.25	—	—	8.50E-02	mg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.04	—	—	8.50E-02	mg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.11	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.98	—	—	1.00E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.01	—	—	1.00E-01	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.43	—	—	2.50E-01	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.17	—	—	1.00E-01	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.746	—	—	5.00E-02	µg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.817	—	—	5.00E-02	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.723	—	—	5.00E-02	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.794	—	—	5.00E-02	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.817	—	—	5.00E-02	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.47	—	—	5.00E-02	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	J	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.66	—	—	5.00E-02	mg/L	—	J	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-219	CASA-09-883	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	4.50E-02	mg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	210	—	—	1.00E+00	µS/cm	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	µS/cm	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	210	—	—	1.00E+00	µS/cm	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00E+00	µS/cm	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00E+00	µS/cm	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.41	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.64	—	—	1.00E-01	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.16	—	—	1.00E-01	mg/L	—	J-	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.91	—	—	1.00E-01	mg/L	—	J-	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.6	—	—	1.00E-01	mg/L	—	J-	08-1645	CASA-08-14383	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	04/29/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	191	—	—	2.40E+00	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.40E+00	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	195	—	—	2.40E+00	mg/L	—	J	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	200	—	—	2.40E+00	mg/L	—	—	08-1645	CASA-08-14383	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	04/29/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1661	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1645	CASA-08-14381	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	04/29/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1661	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.447	—	—	3.30E-01	mg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.839	—	—	3.30E-01	mg/L	J	J	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.674	—	—	3.30E-01	mg/L	J	J	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.67	—	—	1.00E-02	SU	H	J-	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	µg/L	—	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.9	—	—	1.00E+00	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	µg/L	—	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	µg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.50E+01	µg/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	43.8	—	—	1.00E+01	µg/L	J	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.00E+01	µg/L	J	J	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	32.9	—	—	1.00E+01	µg/L	J	J	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29	—	—	1.00E+01	µg/L	J	J	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	µg/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	47	—	—	1.00E+01	µg/L	J	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.3	—	—	1.00E+01	µg/L	J	J	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	31.8	—	—	1.00E+01	µg/L	J	J	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.4	—	—	1.00E+01	µg/L	J	J	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.50E+00	µg/L	—	—	09-2826	CASA-09-10364	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17	—	—	1.50E+00	µg/L	—	—	09-1663	CASA-09-12365	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	1.50E+00	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.8	—	—	1.50E+00	µg/L	—	—	09-219	CASA-09-904	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	1.50E+00	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.6	—	—	1.50E+00	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	µg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14	—	—	1.50E+00	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.6	—	—	1.50E+00	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18	—	—	1.50E+00	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	1.50E+00	µg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.00E-01	µg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.00E-01	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.00E-01	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	1.00E-01	µg/L	—	U	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.4	—	—	1.00E-01	µg/L	—	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	µg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.00E-01	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.7	—	—	1.00E-01	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	1.00E-01	µg/L	—	U	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.5	—	—	1.00E-01	µg/L	—	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.619	—	—	5.00E-01	µg/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.719	—	—	5.00E-01	µg/L	J	J	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.71	—	—	5.00E-01	µg/L	J	J	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.78	—	—	5.00E-01	µg/L	J	J	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.71	—	—	5.00E-01	µg/L	J	J	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.617	—	—	5.00E-01	µg/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.782	—	—	5.00E-01	µg/L	J	J	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	µg/L	J	J	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.88	—	—	5.00E-01	µg/L	J	J	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.75	—	—	5.00E-01	µg/L	J	J	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.34	—	—	1.00E+00	µg/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.2	—	—	1.00E+00	µg/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.2	—	—	1.00E+00	µg/L	J	J	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.2	—	—	1.00E+00	µg/L	J	J	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	µg/L	J	J	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	5.30E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.6	—	—	3.20E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	3.20E-02	mg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.8	—	—	3.20E-02	mg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.9	—	—	3.20E-02	mg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.3	—	—	1.00E+00	µg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	86.8	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.8	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.3	—	—	1.00E+00	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	86.2	—	—	1.00E+00	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.2	—	—	1.00E+00	µg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	87.1	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.7	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	85.2	—	—	1.00E+00	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	83.2	—	—	1.00E+00	µg/L	—	—	08-1645	CASA-08-14381	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	µg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.784	—	—	5.00E-02	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.87	—	—	5.00E-02	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.81	—	—	5.00E-02	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.65	—	—	5.00E-02	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.856	—	—	5.00E-02	µg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.781	—	—	5.00E-02	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.91	—	—	5.00E-02	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.84	—	—	5.00E-02	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	µg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.38	—	—	1.00E+00	µg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.51	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.4	—	—	1.00E+00	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	10.4	—	—	1.00E+00	µg/L	—	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.34	—	—	1.00E+00	µg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.67	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.9	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	10.3	—	—	1.00E+00	µg/L	—	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.33	—	—	3.30E+00	µg/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.8	—	—	2.00E+00	µg/L	—	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	2.00E+00	µg/L	—	—	09-817	CASA-09-2784	GELC
R-11	5531	855	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	2.00E+00	µg/L	—	—	09-219	CASA-09-883	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.7	—	—	2.00E+00	µg/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	µg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	13.9	—	—	2.00E+00	µg/L	—	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	2.00E+00	µg/L	—	—	09-817	CASA-09-2783	GELC
R-11	5531	855	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	2.00E+00	µg/L	—	—	09-219	CASA-09-882	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.5	—	—	2.00E+00	µg/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00602	3.67E-03	3.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000644	1.40E-03	4.00E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0135	1.73E-03	3.60E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00351	8.67E-04	2.90E-02	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	8.00E-04	3.00E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00566	3.23E-03	2.90E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0149	4.33E-03	4.50E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000272	1.03E-03	3.90E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00531	2.67E-03	2.90E-02	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0161	3.23E-01	2.90E+00	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.19	5.00E-01	4.80E+00	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.841	3.33E-01	3.10E+00	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.24	5.00E-01	4.90E+00	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.27	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.11	3.67E-01	3.80E+00	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.232	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.54	3.67E-01	4.40E+00	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.399	4.67E-01	3.60E+00	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.204	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.87	5.67E-01	5.10E+00	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.38	4.00E-01	3.30E+00	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.64	5.00E-01	5.30E+00	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.43	4.33E-01	4.80E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0313	4.00E-01	3.90E+00	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.813	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.43	4.67E-01	4.10E+00	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.22	4.00E-01	4.40E+00	—	pCi/L	U	U	08-136	CASA-08-7436	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	1.71	1.77E-01	1.50E+00	—	pCi/L	—	—	09-2826	CASA-09-10366	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	10/10/06	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.41	2.81E-01	2.78E+00	—	pCi/L	U	U	173943	GF061000G11R01	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	10/10/06	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.7	3.28E-01	2.78E+00	—	pCi/L	—	J	173943	GU061000G11R01	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	8.03	3.67E+00	2.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	126	2.17E+01	3.90E+02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	89.3	1.93E+01	2.10E+02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	83.5	2.23E+01	2.30E+02	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	102	1.67E+01	9.50E+01	—	pCi/L	—	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.61	3.67E+00	1.70E+01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	133	3.33E+01	4.20E+02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	95	2.37E+01	2.50E+02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	80.8	6.33E+01	3.10E+02	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-19	2.83E+00	2.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-21.6	4.67E+00	3.90E+01	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.25	2.73E+00	2.90E+01	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.06	3.33E+00	3.50E+01	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.4	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.406	3.23E+00	2.70E+01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-15.7	4.00E+00	3.30E+01	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.478	3.33E+00	3.00E+01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.73	3.33E+00	3.30E+01	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00369	1.73E-03	2.60E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00611	3.67E-03	3.60E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00771	3.67E-03	4.70E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00789	1.57E-03	2.80E-02	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0204	2.53E-03	3.00E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0123	2.40E-03	2.90E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00316	1.30E-03	2.80E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00488	2.30E-03	4.50E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00475	2.17E-03	2.80E-02	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00553	1.37E-03	3.20E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00815	1.93E-03	3.60E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00513	1.70E-03	5.50E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00315	1.07E-03	2.60E-02	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0037	1.97E-03	3.60E-02	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00206	1.53E-03	3.50E-02	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00632	1.07E-03	2.80E-02	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.63E-03	5.20E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00158	5.33E-04	2.60E-02	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.5	4.33E+00	3.70E+01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	84	7.00E+00	7.90E+01	—	pCi/L	UI	R	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.27	4.67E+00	5.40E+01	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.9	6.00E+00	4.90E+01	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-25.7	5.33E+00	4.90E+01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.59	5.00E+00	5.20E+01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.38	6.33E+00	6.20E+01	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.95	7.33E+00	4.40E+01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.23	6.33E+00	6.70E+01	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.178	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.267	4.00E-02	3.70E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.333	4.00E-02	3.40E-01	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.189	4.00E-02	3.80E-01	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	11/08/05	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	2.27	1.04E+00	5.64E+00	—	pCi/L	U	U	149897	GU05110G11R01	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.862	9.67E-02	7.60E-01	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0307	5.00E-02	5.60E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.465	5.67E-02	4.60E-01	—	pCi/L	—	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.481	4.67E-02	3.40E-01	—	pCi/L	—	—	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.28	3.33E-01	3.70E+00	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.6	7.33E-01	4.50E+00	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.462	3.33E-01	3.50E+00	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.14	3.67E-01	4.00E+00	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.942	4.00E-01	4.20E+00	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.63	3.67E-01	4.10E+00	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.29	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.31	5.67E-01	5.90E+00	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.00948	4.33E-01	4.20E+00	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.157	1.93E-02	2.10E-01	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0338	4.00E-02	4.70E-01	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.106	2.70E-02	3.30E-01	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.153	4.00E-02	4.10E-01	—	pCi/L	U	U	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.41	4.67E-02	4.10E-01	—	pCi/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.06	2.23E-02	2.20E-01	—	pCi/L	U	U	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0763	2.93E-02	3.10E-01	—	pCi/L	U	U	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.825	5.00E-02	3.00E-01	—	pCi/L	—	—	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.131	4.33E-02	4.30E-01	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.36424	9.58E-02	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10366	UMTL
R-11	5531	855	04/29/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.23652	9.58E-02	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8274	UMTL
R-11	5531	855	02/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.52389	9.58E-02	2.87E-01	—	pCi/L	—	—	09-861	CASA-09-2783	UMTL
R-11	5531	855	11/05/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.69371	9.58E-02	2.87E-01	—	pCi/L	—	—	09-265	CASA-09-882	UMTL
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	3.09721	3.91E-01	3.42E+00	—	pCi/L	U	U	08-1648	CASA-08-14381	ARSL
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.689	2.20E-02	1.30E-01	—	pCi/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.64	1.73E-02	7.90E-02	—	pCi/L	—	—	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.639	1.67E-02	6.40E-02	—	pCi/L	—	—	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.601	1.57E-02	5.80E-02	—	pCi/L	—	—	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.546	1.90E-02	1.10E-01	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.597	2.03E-02	1.40E-01	—	pCi/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.696	1.90E-02	8.30E-02	—	pCi/L	—	—	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.577	1.50E-02	6.00E-02	—	pCi/L	—	—	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.566	1.53E-02	6.40E-02	—	pCi/L	—	—	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0648	6.67E-03	7.30E-02	—	pCi/L	U	U	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00495	1.17E-03	3.70E-02	—	pCi/L	U	U	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0221	2.37E-03	3.20E-02	—	pCi/L	U	U	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.015	2.07E-03	3.50E-02	—	pCi/L	U	U	08-136	CASA-08-7433	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	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0273	2.77E-03	3.00E-02	—	pCi/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0275	3.20E-03	3.80E-02	—	pCi/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.356	1.47E-02	6.70E-02	—	pCi/L	—	—	08-1645	CASA-08-14383	GELC
R-11	5531	855	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.224	8.33E-03	4.90E-02	—	pCi/L	—	—	08-1124	CASA-08-12870	GELC
R-11	5531	855	02/06/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.277	9.00E-03	3.80E-02	—	pCi/L	—	—	08-591	CASA-08-10546	GELC
R-11	5531	855	11/07/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.231	8.33E-03	3.90E-02	—	pCi/L	—	—	08-136	CASA-08-7433	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.276	1.20E-02	5.50E-02	—	pCi/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.256	1.30E-02	7.30E-02	—	pCi/L	—	—	08-1645	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.179	8.67E-03	5.10E-02	—	pCi/L	—	—	08-1124	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.251	8.33E-03	3.60E-02	—	pCi/L	—	—	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	8.67E-03	4.30E-02	—	pCi/L	—	—	08-136	CASA-08-7436	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	05/12/08	WG	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	10	—	—	2.00E+00	µg/L	U	U	08-1122	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.9	—	—	2.20E+00	µg/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.6	—	—	2.10E+00	µg/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/10/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Butanone[2-]	—	2.01	—	—	1.30E+00	µg/L	J	J	09-2825	CASA-09-10365	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	µg/L	U	UJ	08-1646	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	µg/L	U	U	08-1122	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	µg/L	U	UJ	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Voa	SW-846:8260B	Butanone[2-]	<	5	—	—	1.30E+00	µg/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/10/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chlorobenzene	—	5.17	—	—	2.50E-01	µg/L	—	—	09-2825	CASA-09-10365	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1646	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1122	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/10/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.397	—	—	3.00E-01	µg/L	J	J	09-2825	CASA-09-10365	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1646	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1122	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-136	CASA-08-7436	GELC
R-11	5531	855	08/10/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	—	0.293	—	—	2.50E-01	µg/L	J	J	09-2825	CASA-09-10365	GELC
R-11	5531	855	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-1646	CASA-08-14381	GELC
R-11	5531	855	05/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-1122	CASA-08-12871	GELC
R-11	5531	855	02/06/08	WG	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-591	CASA-08-10545	GELC
R-11	5531	855	11/07/07	WG	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-136	CASA-08-7436	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.8	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81	—	—	7.30E-01	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.7	—	—	7.30E-01	mg/L	—	—	09-280	CASA-09-9289	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.7	—	—	7.30E-01	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.3	—	—	7.30E-01	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.3	—	—	7.30E-01	mg/L	—	—	08-1725	CASA-08-16503	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.8	—	—	7.30E-01	mg/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0985	—	—	6.60E-02	mg/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.102	—	—	6.70E-02	mg/L	J	J	08-1725	CASA-08-16503	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.128	—	—	6.70E-02	mg/L	J	J	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.7	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.4	—	—	3.00E-02	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.4	—	—	3.00E-02	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.2	—	—	3.00E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.1	—	—	3.00E-02	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.9	—	—	3.00E-02	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.9	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27	—	—	3.00E-02	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.9	—	—	3.00E-02	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.5	—	—	3.00E-02	mg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.2	—	—	3.00E-02	mg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.4	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.9	—	—	6.60E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	13.4	—	—	6.60E-02	mg/L	—	—	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.4	—	—	6.60E-02	mg/L	—	—	08-1725	CASA-08-16503	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.8	—	—	6.60E-02	mg/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.396	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.263	—	—	3.30E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.325	—	—	3.30E-02	mg/L	—	—	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	08-1725	CASA-08-16503	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.453	—	—	3.30E-02	mg/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.4	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10379	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	92.1	—	—	3.50E-01	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.7	—	—	3.50E-01	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	76.4	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	90.3	—	—	3.50E-01	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.4	—	—	3.50E-01	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	89.2	—	—	3.50E-01	mg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.3	—	—	3.50E-01	mg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.75	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.16	—	—	8.50E-02	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.16	—	—	8.50E-02	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.35	—	—	8.50E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.89	—	—	8.50E-02	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.34	—	—	8.50E-02	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	8.50E-02	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.42	—	—	8.50E-02	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	8.50E-02	mg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.18	—	—	8.50E-02	mg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.62	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.81	—	—	5.00E-02	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.74	—	—	5.00E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.995	—	—	5.00E-02	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.88	—	—	5.00E-02	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.193	—	—	5.00E-02	µg/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.236	—	—	5.00E-02	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.263	—	—	5.00E-02	µg/L	—	J+	09-280	CASA-09-875	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.263	—	—	5.00E-02	µg/L	—	J+	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.235	—	—	5.00E-02	µg/L	—	—	08-1725	CASA-08-16503	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.235	—	—	5.00E-02	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	µg/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.04	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.89	—	—	5.00E-02	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.89	—	—	5.00E-02	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	5.00E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.32	—	—	5.00E-02	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.99	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	5.00E-02	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	5.00E-02	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.1	—	—	5.00E-02	mg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.14	—	—	5.00E-02	mg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	4.50E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.2	—	—	4.50E-02	mg/L	N	J+	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	4.50E-02	mg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	4.50E-02	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	4.50E-02	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	4.50E-02	mg/L	N	J+	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	4.50E-02	mg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	µS/cm	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	µS/cm	—	—	09-982	CASA-09-3013	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	231	—	—	1.00E+00	µS/cm	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	231	—	—	1.00E+00	µS/cm	—	—	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	232	—	—	1.00E+00	µS/cm	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	232	—	—	1.00E+00	µS/cm	—	—	08-1725	CASA-08-16503	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.15	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.28	—	—	1.00E-01	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.79	—	—	1.00E-01	mg/L	—	J-	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.68	—	—	1.00E-01	mg/L	—	—	08-1725	CASA-08-16503	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.09	—	—	1.00E-01	mg/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	08-1725	CASA-08-16503	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	08-1725	CASA-08-14846	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.138	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.234	—	—	3.30E-02	mg/L	—	J-	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.473	—	—	2.90E-02	mg/L	—	J	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.297	—	—	2.90E-02	mg/L	—	J-	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.33	—	—	2.90E-02	mg/L	—	U	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.19	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.35	—	—	3.30E-01	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.65	—	—	3.30E-01	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	3.30E-01	mg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.832	—	—	3.30E-01	mg/L	J	J	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10379	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	09-280	CASA-09-875	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	09-280	CASA-09-9289	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	08-1725	CASA-08-16503	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	µg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	µg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.8	—	—	1.00E+00	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.1	—	—	1.00E+00	µg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.7	—	—	1.00E+00	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	µg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	µg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.3	—	—	1.00E+00	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.6	—	—	1.00E+00	µg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33.1	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46	—	—	1.00E+01	µg/L	J	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46	—	—	1.00E+01	µg/L	J	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	46.7	—	—	1.00E+01	µg/L	J	U	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49.9	—	—	1.00E+01	µg/L	J	J	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.3	—	—	1.00E+01	µg/L	J	J	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.4	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	48.9	—	—	1.00E+01	µg/L	J	J	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	48.9	—	—	1.00E+01	µg/L	J	U	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.3	—	—	1.00E+01	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.9	—	—	1.00E+01	µg/L	J	J	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	66.4	—	—	3.00E+01	µg/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	2.50E+01	µg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	2.50E+01	µg/L	—	—	09-1788	CASA-09-9293	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	239	—	—	2.50E+01	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	253	—	—	2.50E+01	µg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	411	—	—	2.50E+01	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	114	—	—	3.00E+01	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	161	—	—	2.50E+01	µg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	235	—	—	2.50E+01	µg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	252	—	—	2.50E+01	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	376	—	—	2.50E+01	µg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	126	—	—	2.00E+00	µg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	137	—	—	2.00E+00	µg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	137	—	—	2.00E+00	µg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	173	—	—	2.00E+00	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	182	—	—	2.00E+00	µg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	190	—	—	2.00E+00	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	126	—	—	2.00E+00	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	149	—	—	2.00E+00	µg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	169	—	—	2.00E+00	µg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	174	—	—	2.00E+00	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	198	—	—	2.00E+00	µg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.17	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.09	—	—	1.00E-01	µg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.4	—	—	1.00E-01	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	µg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	1.00E-01	µg/L	—	J	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.15	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.1	—	—	1.00E-01	µg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	µg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	1.00E-01	µg/L	—	J	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.55	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	µg/L	J	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	µg/L	J	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	5.00E-01	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.13	—	—	5.00E-01	µg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	µg/L	J	J	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.6	—	—	5.00E-01	µg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.3	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	3.20E-02	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	3.20E-02	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.9	—	—	3.20E-02	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.9	—	—	3.20E-02	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.8	—	—	3.20E-02	mg/L	N	J+	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	µg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	µg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	120	—	—	1.00E+00	µg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00E+00	µg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	µg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	µg/L	—	—	08-1725	CASA-08-14847	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.597	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.673	—	—	5.00E-02	µg/L	—	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.673	—	—	5.00E-02	µg/L	—	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	µg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.56	—	—	5.00E-02	µg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	µg/L	—	—	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.695	—	—	5.00E-02	µg/L	—	J	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	5.00E-02	µg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.61	—	—	5.00E-02	µg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.63	—	—	5.00E-02	µg/L	—	—	08-1725	CASA-08-14847	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	µg/L	U	U	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	µg/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	µg/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.6	—	—	2.00E+00	µg/L	J	J	09-280	CASA-09-875	GELC
R-12	8401	459	08/20/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.4	—	—	2.00E+00	µg/L	—	J	08-1725	CASA-08-14846	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	µg/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.1	—	—	2.00E+00	µg/L	J	J	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.6	—	—	2.00E+00	µg/L	J	J	09-280	CASA-09-874	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	64.5	—	—	2.00E+00	µg/L	—	J	08-1725	CASA-08-14847	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00238	7.67E-04	3.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0156	1.93E-03	3.90E-02	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00111	3.67E-03	5.10E-02	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00463	1.37E-03	3.90E-02	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00593	1.13E-03	2.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0108	2.03E-03	3.90E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0146	3.07E-03	4.00E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0272	3.13E-03	4.90E-02	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0033	8.67E-04	4.20E-02	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.55	5.67E-01	5.20E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.00998	5.00E-01	4.70E+00	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.3	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.93	7.00E-01	4.90E+00	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.46	4.67E-01	4.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.222	5.33E-01	4.70E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.19	3.67E-01	3.40E+00	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.77	3.27E-01	3.60E+00	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.86	4.00E-01	3.10E+00	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.08	4.33E-01	3.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.18	4.33E-01	3.70E+00	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.71	6.00E-01	4.80E+00	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.78	6.00E-01	6.10E+00	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0743	3.67E-01	3.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.07	5.67E-01	5.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.867	3.67E-01	3.50E+00	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.2	4.00E-01	3.20E+00	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.721	4.00E-01	3.20E+00	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.878	1.27E-01	1.10E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.522	2.33E-01	2.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.816	1.87E-01	1.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.39	2.90E-01	2.10E+00	—	pCi/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.9	2.83E-01	2.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.27	4.00E-01	2.80E+00	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	86.6	4.33E+01	9.00E+01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	41.4	1.67E+01	5.20E+01	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	166	4.67E+01	4.00E+02	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	90.6	4.67E+01	3.60E+02	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	48.1	8.67E+00	6.40E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69.1	1.83E+01	6.50E+01	—	pCi/L	—	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.3	3.10E+00	1.80E+01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	139	3.00E+01	3.30E+02	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.8	1.67E+01	1.90E+02	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	26.8	4.67E+00	4.50E+01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0329	3.67E+00	3.60E+01	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.26	2.80E+00	2.90E+01	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.21	2.13E+00	2.20E+01	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.199	3.27E+00	3.30E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0618	2.87E+00	2.80E+01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.83	2.67E+00	2.60E+01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15	3.00E+00	2.70E+01	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.14	2.70E+00	2.70E+01	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0137	1.83E-03	3.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00567	2.27E-03	2.70E-02	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.33E-04	3.40E-02	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00182	1.83E-03	3.30E-02	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00175	2.10E-03	2.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-9.47E-10	1.63E-03	3.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00365	1.93E-03	2.60E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.37E-03	3.00E-02	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00615	1.20E-03	3.80E-02	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0137	2.53E-03	3.70E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0113	1.57E-03	3.80E-02	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00378	1.80E-03	3.30E-02	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.20E-03	3.90E-02	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.04E-10	8.33E-04	3.20E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00595	2.00E-03	3.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00183	1.60E-03	3.70E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0169	1.97E-03	3.00E-02	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.67E-03	4.40E-02	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	44.6	7.00E+00	4.90E+01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.44	6.00E+00	6.10E+01	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.4	5.00E+00	4.50E+01	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	14.9	4.67E+00	5.40E+01	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.8	6.33E+00	6.50E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.6	5.33E+00	6.00E+01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.1	4.67E+00	3.70E+01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35.1	4.00E+00	4.60E+01	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.2	4.67E+00	4.70E+01	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	4.33E-02	3.30E-01	—	pCi/L	—	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.505	6.00E-02	4.50E-01	—	pCi/L	—	U	08-1725	CASA-08-14847	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.312	5.00E-02	4.30E-01	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.71	1.10E-01	9.70E-01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	08/20/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.386	6.67E-02	6.40E-01	—	pCi/L	U	U	08-1725	CASA-08-14847	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.74	8.00E-02	6.20E-01	—	pCi/L	—	—	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.62	4.67E-01	4.00E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.42	4.33E-01	4.80E+00	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0884	4.33E-01	3.70E+00	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.67	4.00E-01	5.20E+00	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.363	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.209	5.33E-01	5.40E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.48	3.33E-01	3.70E+00	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.534	3.67E-01	3.20E+00	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0333	4.00E-01	3.90E+00	—	pCi/L	U	U	08-667	CASA-08-10575	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.111	4.00E-02	4.20E-01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0163	2.10E-02	2.20E-01	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.029	2.60E-02	3.00E-01	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.279	4.67E-02	4.30E-01	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.142	4.33E-02	4.20E-01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.215	4.00E-02	3.80E-01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0453	3.00E-02	3.80E-01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0309	2.40E-02	2.60E-01	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.256	4.67E-02	4.60E-01	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	73.7583	8.51E-01	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10380	UMTL
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.7162	8.51E-01	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8276	UMTL
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	73.1197	8.51E-01	2.87E-01	—	pCi/L	—	—	09-1040	CASA-09-3011	UMTL
R-12	8401	459	11/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	77.5899	8.51E-01	2.87E-01	—	pCi/L	—	—	09-276	CASA-09-874	UMTL
R-12	8401	459	08/20/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	53.22731	2.73E+00	3.54E+00	—	pCi/L	—	U	08-1739	CASA-08-14847	ARSL
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.409	1.40E-02	8.90E-02	—	pCi/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.271	1.00E-02	6.80E-02	—	pCi/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.526	1.53E-02	8.70E-02	—	pCi/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.44	1.40E-02	8.80E-02	—	pCi/L	—	—	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.233	9.00E-03	6.90E-02	—	pCi/L	—	J-	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.329	1.27E-02	1.00E-01	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.304	1.10E-02	7.40E-02	—	pCi/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.44	1.37E-02	8.70E-02	—	pCi/L	—	—	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.455	1.40E-02	8.30E-02	—	pCi/L	—	—	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.019	2.43E-03	4.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0243	2.70E-03	3.20E-02	—	pCi/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0192	2.47E-03	4.10E-02	—	pCi/L	U	U	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0275	3.33E-03	4.40E-02	—	pCi/L	U	U	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.50E-03	3.40E-02	—	pCi/L	U	UJ	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0158	2.40E-03	4.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0239	3.03E-03	3.40E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0164	2.90E-03	4.10E-02	—	pCi/L	U	U	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0115	2.37E-03	4.10E-02	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.33E-03	4.40E-02	—	pCi/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.186	7.67E-03	4.10E-02	—	pCi/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	05/15/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.351	1.17E-02	5.40E-02	—	pCi/L	—	—	08-1160	CASA-08-12852	GELC
R-12	8401	459	02/20/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.255	1.00E-02	5.20E-02	—	pCi/L	—	—	08-667	CASA-08-10573	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	5.33E-03	3.40E-02	—	pCi/L	—	J-	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	9.33E-03	5.10E-02	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.19	8.00E-03	4.40E-02	—	pCi/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	05/15/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.292	1.03E-02	5.40E-02	—	pCi/L	—	—	08-1160	CASA-08-12853	GELC
R-12	8401	459	02/20/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.238	9.33E-03	4.90E-02	—	pCi/L	—	—	08-667	CASA-08-10575	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.9	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.3	—	—	7.30E-01	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.5	—	—	7.30E-01	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.4	—	—	7.30E-01	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.7	—	—	7.30E-01	mg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	3.00E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	3.00E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	3.00E-02	mg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	3.00E-02	mg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.89	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.4	—	—	6.60E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.44	—	—	6.60E-02	mg/L	—	—	09-887	CASA-09-3007	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.39	—	—	6.60E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.39	—	—	6.60E-02	mg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.423	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.377	—	—	3.30E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.349	—	—	3.30E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.249	—	—	3.30E-02	mg/L	—	J-	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.392	—	—	3.30E-02	mg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.6	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.4	—	—	3.50E-01	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	3.50E-01	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.6	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	3.50E-01	mg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	3.50E-01	mg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.2	—	—	3.50E-01	mg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.14	—	—	5.00E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.5	—	—	5.00E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.26	—	—	5.00E-02	mg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.943	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	µg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.985	—	—	1.00E-01	µg/L	—	J	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.09	—	—	1.00E-01	µg/L	—	J+	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.08	—	—	1.00E-01	µg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.24	—	—	5.00E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.28	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.81	—	—	4.50E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	4.50E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	4.50E-02	mg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	4.50E-02	mg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	µS/cm	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	µS/cm	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	µS/cm	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	µS/cm	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	µS/cm	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.51	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.43	—	—	1.00E-01	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.38	—	—	1.00E-01	mg/L	—	—	09-887	CASA-09-3007	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.44	—	—	1.00E-01	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.59	—	—	1.00E-01	mg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40E+00	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	J	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	J	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.942	—	—	3.30E-01	mg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1661	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.729	—	—	3.30E-01	mg/L	J	J	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.2	—	—	3.30E-01	mg/L	—	—	09-301	CASA-09-865	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.375	—	—	3.30E-01	mg/L	J	J	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	82.3	—	—	6.80E+01	µg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.5	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20	—	—	1.00E+00	µg/L	*	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.3	—	—	1.00E+00	µg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.8	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.5	—	—	1.00E+00	µg/L	*	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.6	—	—	1.00E+00	µg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.5	—	—	2.00E+00	µg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	38	—	—	2.00E+00	µg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	42.4	—	—	2.00E+00	µg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	44.8	—	—	2.00E+00	µg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	37.6	—	—	2.00E+00	µg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	37.3	—	—	2.00E+00	µg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	43.3	—	—	2.00E+00	µg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	46.8	—	—	2.00E+00	µg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.00E-01	µg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	µg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	µg/L	—	U	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.54	—	—	1.00E-01	µg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	µg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	µg/L	—	U	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.58	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	J	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.98	—	—	5.00E-01	µg/L	J	J	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.68	—	—	5.00E-01	µg/L	J	J	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.561	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	µg/L	U	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	5.00E-01	µg/L	J	J	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.75	—	—	5.00E-01	µg/L	J	J	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.8	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.4	—	—	3.20E-02	mg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47	—	—	3.20E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.4	—	—	3.20E-02	mg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	<	64.9	—	—	3.20E-02	mg/L	—	R	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.3	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.9	—	—	1.00E+00	µg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.2	—	—	1.00E+00	µg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.9	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69	—	—	1.00E+00	µg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.6	—	—	1.00E+00	µg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.5	—	—	1.00E+00	µg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.443	—	—	5.00E-02	µg/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	µg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	5.00E-02	µg/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	µg/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	µg/L	—	—	09-300	CASA-09-865	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	µg/L	J	J	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.77	—	—	1.00E+00	µg/L	J	J	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	4.2	—	—	1.00E+00	µg/L	J	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	4.5	—	—	1.00E+00	µg/L	J	U	09-300	CASA-09-867	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.33	—	—	1.00E+00	µg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.05	—	—	1.00E+00	µg/L	J	J	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	4.4	—	—	1.00E+00	µg/L	J	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	4.8	—	—	1.00E+00	µg/L	J	U	09-300	CASA-09-865	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00447	2.07E-03	3.70E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0126	4.67E-03	5.80E-02	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00469	6.67E-04	2.70E-02	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00201	1.30E-03	4.00E-02	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0015	6.33E-04	2.30E-02	—	pCi/L	U	UJ	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00471	1.07E-03	3.80E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000619	2.13E-03	5.80E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000548	1.30E-03	2.80E-02	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00181	2.73E-03	4.10E-02	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.53	5.33E-01	4.80E+00	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.47	4.00E-01	3.50E+00	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.408	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.03	4.00E-01	4.50E+00	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.02	5.00E-01	3.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	5.00E-01	5.30E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.968	5.00E-01	5.00E+00	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.45	4.33E-01	3.80E+00	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.01	3.67E-01	3.70E+00	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.63	4.67E-01	5.50E+00	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.904	4.67E-01	4.70E+00	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.509	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.21	4.67E-01	3.80E+00	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.33	4.00E-01	3.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.59	5.00E-01	4.40E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.02	5.67E-01	5.80E+00	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.414	5.00E-01	5.20E+00	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.17	3.67E-01	3.00E+00	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.735	8.67E-02	7.30E-01	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.435	2.07E-01	2.50E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0541	1.13E-01	1.20E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.3	2.17E-01	1.70E+00	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.54	2.27E-01	2.20E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.64	3.10E-01	2.70E+00	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	64.4	8.00E+00	6.20E+01	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	46.3	1.13E+01	7.00E+01	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	17.3	1.03E+01	2.30E+01	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	89.2	2.27E+01	2.90E+02	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	65.2	8.67E+00	7.40E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	75.7	8.00E+00	6.20E+01	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.8	5.33E+00	3.70E+01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18.9	3.17E+00	1.90E+01	—	pCi/L	—	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	71.5	1.40E+01	1.90E+02	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.33	3.67E+00	3.70E+01	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.8	2.90E+00	3.00E+01	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-24.2	3.10E+00	2.70E+01	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.749	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	3.03E+00	3.10E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.3	4.33E+00	4.00E+01	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.7	3.67E+00	3.40E+01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.44	3.33E+00	3.00E+01	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.95	2.63E+00	2.60E+01	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0131	4.00E-03	3.40E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00229	2.30E-03	3.20E-02	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00573	3.67E-03	2.70E-02	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.63E-03	2.20E-02	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00952	3.33E-03	3.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.00E-03	3.30E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00247	2.47E-03	3.40E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0154	2.37E-03	2.40E-02	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	2.10E-02	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.08E-09	3.33E-03	4.20E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.87E-03	4.60E-02	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00191	1.43E-03	3.30E-02	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00187	1.67E-03	3.00E-02	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00238	1.37E-03	4.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0125	1.73E-03	4.00E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00247	2.17E-03	4.90E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00342	1.13E-03	2.90E-02	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00343	1.40E-03	2.80E-02	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	6.00E+00	6.80E+01	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.4	6.00E+00	6.20E+01	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.53	5.67E+00	6.00E+01	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	32.6	4.00E+00	4.60E+01	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.5	6.67E+00	5.70E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.11	6.00E+00	5.50E+01	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.1	6.67E+00	6.70E+01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	5.67E+00	6.50E+01	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.83	4.67E+00	4.30E+01	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.171	2.87E-02	2.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.754	8.33E-02	6.80E-01	—	pCi/L	—	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	02/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.705	7.67E-02	6.00E-01	—	pCi/L	—	—	08-679	CASA-08-10576	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.651	8.67E-02	7.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.31	9.33E-02	5.20E-01	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	02/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.106	4.67E-02	5.10E-01	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.426	5.00E-01	4.70E+00	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.25	5.67E-01	5.80E+00	—	pCi/L	U	U	09-887	CASA-09-3007	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.38	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.443	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.66	3.67E-01	4.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.429	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.123	5.33E-01	5.30E+00	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.117	5.33E-01	5.40E+00	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.504	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.122	2.90E-02	2.90E-01	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0645	4.33E-02	4.30E-01	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0495	2.77E-02	3.30E-01	—	pCi/L	U	U	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0808	3.20E-02	3.40E-01	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.351	4.67E-02	4.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0688	2.97E-02	3.10E-01	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.192	4.33E-02	4.30E-01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0493	2.50E-02	2.80E-01	—	pCi/L	U	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.128	2.97E-02	3.00E-01	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	52.0459	5.32E-01	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10383	UMTL
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	50.1301	5.32E-01	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8279	UMTL
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	55.5582	6.39E-01	2.87E-01	—	pCi/L	—	—	09-868	CASA-09-3010	UMTL
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	67.11686	6.08E+00	6.86E+00	—	pCi/L	—	—	09-869	CASA-09-9290	ARSL
R-12	8411	504.5	11/13/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.281	6.39E-01	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-865	UMTL
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	29.50332	1.56E+00	3.61E+00	—	pCi/L	—	U	08-1739	CASA-08-14365	ARSL
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.272	1.13E-02	1.00E-01	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.332	1.10E-02	6.60E-02	—	pCi/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.392	1.13E-02	6.00E-02	—	pCi/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.447	1.40E-02	8.20E-02	—	pCi/L	—	—	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.262	9.33E-03	6.30E-02	—	pCi/L	—	—	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.34	1.40E-02	1.30E-01	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.278	9.67E-03	6.60E-02	—	pCi/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.399	1.10E-02	5.30E-02	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.392	1.30E-02	8.40E-02	—	pCi/L	—	—	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	3.13E-03	4.70E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00418	1.00E-03	3.70E-02	—	pCi/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0364	3.20E-03	3.20E-02	—	pCi/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0112	2.97E-03	4.20E-02	—	pCi/L	U	U	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00204	1.53E-03	3.10E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0393	4.33E-03	5.90E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	2.00E-03	3.70E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0342	2.90E-03	2.80E-02	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0116	1.93E-03	4.40E-02	—	pCi/L	U	U	08-1168	CASA-08-12855	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.133	7.33E-03	5.10E-02	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	02/11/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.152	6.33E-03	4.20E-02	—	pCi/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.196	7.33E-03	3.10E-02	—	pCi/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	05/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.141	7.00E-03	5.00E-02	—	pCi/L	—	—	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0975	5.33E-03	3.10E-02	—	pCi/L	—	—	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.165	9.00E-03	6.40E-02	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	02/11/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.16	6.67E-03	4.20E-02	—	pCi/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.174	6.33E-03	2.80E-02	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	05/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.19	8.33E-03	5.10E-02	—	pCi/L	—	—	08-1168	CASA-08-12855	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	104	—	—	7.30E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	7.30E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	7.30E-01	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	106	—	—	7.30E-01	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.5	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	3.00E-02	mg/L	—	—	09-809	CASA-09-3014	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.2	—	—	3.00E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	3.00E-02	mg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	3.00E-02	mg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.18	—	—	6.60E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.42	—	—	6.60E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.14	—	—	6.60E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.05	—	—	6.60E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.03	—	—	6.60E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.504	—	—	3.30E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.411	—	—	3.30E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.345	—	—	3.30E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.314	—	—	3.30E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.337	—	—	3.30E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77	—	—	3.50E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	3.50E-01	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.9	—	—	3.50E-01	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.8	—	—	3.50E-01	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	3.50E-01	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.6	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.8	—	—	3.50E-01	mg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78	—	—	3.50E-01	mg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.69	—	—	8.50E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.44	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.62	—	—	8.50E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.72	—	—	8.50E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.93	—	—	8.50E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.75	—	—	8.50E-02	mg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.112	—	—	1.00E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	5.00E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.433	—	—	5.00E-02	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.431	—	—	5.00E-02	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.389	—	—	5.00E-02	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.364	—	—	5.00E-02	µg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.01	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.09	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.76	—	—	5.00E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.39	—	—	5.00E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.67	—	—	5.00E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.05	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.16	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.7	—	—	5.00E-02	mg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.33	—	—	5.00E-02	mg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.61	—	—	5.00E-02	mg/L	—	—	08-1663	CASA-08-14391	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	4.50E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.6	—	—	4.50E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	4.50E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	4.50E-02	mg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	4.50E-02	mg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18	—	—	4.50E-02	mg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	µS/cm	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	228	—	—	1.00E+00	µS/cm	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	235	—	—	1.00E+00	µS/cm	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	238	—	—	1.00E+00	µS/cm	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	244	—	—	1.00E+00	µS/cm	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.34	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.64	—	—	1.00E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.38	—	—	1.00E-01	mg/L	—	J-	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.27	—	—	1.00E-01	mg/L	—	J-	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.42	—	—	1.00E-01	mg/L	—	J-	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	213	—	—	2.40E+00	mg/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	199	—	—	2.40E+00	mg/L	—	J	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	194	—	—	2.40E+00	mg/L	—	J	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	194	—	—	2.40E+00	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.465	—	—	1.50E-02	mg/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.102	—	—	1.50E-02	mg/L	—	U	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.042	—	—	2.40E-02	mg/L	J	J	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.065	—	—	2.40E-02	mg/L	—	U	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.83	—	—	1.50E+00	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.2	—	—	1.50E+00	µg/L	J	J	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.1	—	—	1.50E+00	µg/L	J	J	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.83	—	—	1.50E+00	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	µg/L	J	J	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.5	—	—	1.50E+00	µg/L	J	J	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	328	—	—	1.00E+00	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	339	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	324	—	—	1.00E+00	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	321	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	338	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	345	—	—	1.00E+00	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	342	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	327	—	—	1.00E+00	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	317	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	335	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.9	—	—	1.50E+01	µg/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.9	—	—	1.00E+01	µg/L	J	J	09-1643	CASA-09-8304	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.6	—	—	1.00E+01	µg/L	J	J	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.8	—	—	1.00E+01	µg/L	J	J	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42	—	—	1.00E+01	µg/L	J	J	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	36	—	—	1.50E+01	µg/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.1	—	—	1.00E+01	µg/L	J	J	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32.6	—	—	1.00E+01	µg/L	J	J	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.5	—	—	1.00E+01	µg/L	J	J	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.6	—	—	1.00E+01	µg/L	J	J	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	µg/L	J	J	09-2768	CASA-09-10405	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.57	—	—	2.50E+00	µg/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.42	—	—	1.50E+00	µg/L	N	J-	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	1.50E+00	µg/L	—	—	09-1644	CASA-09-9294	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.42	—	—	1.50E+00	µg/L	N	J-	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.9	—	—	1.50E+00	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.3	—	—	1.50E+00	µg/L	J	J	09-232	CASA-09-905	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.6	—	—	1.50E+00	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.7	—	—	1.50E+00	µg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	25.9	—	—	2.50E+00	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.9	—	—	1.50E+00	µg/L	N	J-	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	1.50E+00	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	1.50E+00	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.9	—	—	1.50E+00	µg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.542	—	—	5.00E-01	µg/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.832	—	—	5.00E-01	µg/L	J	J	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.64	—	—	5.00E-01	µg/L	J	J	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.69	—	—	5.00E-01	µg/L	J	J	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.89	—	—	2.00E+00	µg/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.56	—	—	2.00E+00	µg/L	J	J	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.9	—	—	2.00E+00	µg/L	J	J	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4	—	—	2.00E+00	µg/L	J	J	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.2	—	—	2.00E+00	µg/L	J	J	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.97	—	—	2.00E+00	µg/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.51	—	—	2.00E+00	µg/L	J	J	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	µg/L	J	J	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.8	—	—	2.00E+00	µg/L	J	J	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.2	—	—	2.00E+00	µg/L	J	J	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	µg/L	—	J	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.2	—	—	1.00E-01	µg/L	—	U	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	1.00E-01	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	µg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	µg/L	—	J	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.1	—	—	1.00E-01	µg/L	—	U	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.4	—	—	5.00E-01	µg/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.56	—	—	5.00E-01	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	7.4	—	—	5.00E-01	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	8.1	—	—	5.00E-01	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.89	—	—	5.00E-01	µg/L	J	U	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	µg/L	—	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.2	—	—	5.00E-01	µg/L	—	—	09-1643	CASA-09-8305	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.8	—	—	5.00E-01	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.8	—	—	5.00E-01	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.97	—	—	5.00E-01	µg/L	J	U	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.8	—	—	5.30E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.5	—	—	3.20E-02	mg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.4	—	—	3.20E-02	mg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.4	—	—	3.20E-02	mg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	87.5	—	—	3.20E-02	mg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	161	—	—	1.00E+00	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	161	—	—	1.00E+00	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	161	—	—	1.00E+00	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	164	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.559	—	—	5.00E-02	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.663	—	—	5.00E-02	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.77	—	—	5.00E-02	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.74	—	—	5.00E-02	µg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.566	—	—	5.00E-02	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.668	—	—	5.00E-02	µg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.78	—	—	5.00E-02	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.64	—	—	5.00E-02	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	µg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.3	—	—	1.00E+00	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.6	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.1	—	—	1.00E+00	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.3	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.7	—	—	1.00E+00	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.2	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.4	—	—	1.00E+00	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.1	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	16	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.2	—	—	3.30E+00	µg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	2.00E+00	µg/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	17.9	—	—	2.00E+00	µg/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	20.9	—	—	2.00E+00	µg/L	—	U	09-232	CASA-09-884	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	5.2	—	—	2.00E+00	µg/L	J	U	08-1663	CASA-08-14389	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.7	—	—	3.30E+00	µg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.8	—	—	2.00E+00	µg/L	—	—	09-1643	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.6	—	—	2.00E+00	µg/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.1	—	—	2.00E+00	µg/L	—	—	09-232	CASA-09-885	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.6	—	—	2.00E+00	µg/L	J	U	08-1663	CASA-08-14391	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000834	1.63E-03	4.10E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	3.03E-03	4.50E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.025	4.00E-03	3.10E-02	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00165	5.00E-03	5.10E-02	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00021	5.00E-04	2.60E-02	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0116	3.67E-03	3.90E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00779	3.33E-03	4.50E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00736	1.47E-03	3.70E-02	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0056	4.33E-03	4.70E-02	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.608	4.33E-01	4.00E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	5.01	6.67E-01	3.80E+00	—	pCi/L	UI	R	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.28	5.33E-01	4.10E+00	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.87	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.18	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.572	5.67E-01	5.50E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.701	4.00E-01	3.60E+00	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.4	4.67E-01	4.40E+00	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.032	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.88	5.00E-01	5.70E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.17	4.33E-01	3.60E+00	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.76	5.67E-01	6.50E+00	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	8.56	9.33E-01	5.90E+00	—	pCi/L	UI	R	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.508	4.00E-01	3.60E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.11	4.67E-01	3.90E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.158	5.00E-01	4.80E+00	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.572	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.223	6.00E-01	5.50E+00	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.821	1.33E-01	1.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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/beta	<	0.186	1.37E-01	1.60E+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 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	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	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	94.5	8.67E+00	8.40E+01	—	pCi/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	8.11	2.90E+00	2.50E+01	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	143	3.00E+01	3.40E+02	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	141	1.33E+01	1.10E+02	—	pCi/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	76.9	2.13E+01	7.50E+01	—	pCi/L	—	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	39.3	1.30E+01	4.80E+01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	5.01	1.47E+00	1.20E+01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	159	2.57E+01	3.10E+02	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.85	3.33E+00	3.10E+01	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.2	3.67E+00	3.90E+01	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11	3.33E+00	3.20E+01	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.59	4.00E+00	3.90E+01	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.82	3.67E+00	3.50E+01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.28	4.00E+00	3.90E+01	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.28	2.87E+00	3.00E+01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-14.9	4.00E+00	3.20E+01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.3	5.00E+00	3.90E+01	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0025	1.17E-03	3.90E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	4.00E-03	3.70E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00849	4.33E-03	3.00E-02	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00359	1.90E-03	3.20E-02	—	pCi/L	U	U	08-1139	CASA-08-12874	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	02/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00486	4.00E-03	3.40E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00239	4.33E-03	3.40E-02	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0016	1.77E-03	2.80E-02	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.01	2.37E-03	4.80E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00266	1.53E-03	5.30E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00849	2.00E-03	3.60E-02	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00179	1.57E-03	3.10E-02	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Rad	HASL-300	Plutonium-239/240	<	-0.0162	2.17E-03	4.20E-02	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.97E-03	4.00E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00243	1.80E-03	4.90E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00718	3.10E-03	4.10E-02	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00798	1.40E-03	2.80E-02	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-18.7	5.00E+00	4.60E+01	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	77.2	9.00E+00	3.50E+01	—	pCi/L	UI	R	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-49.2	5.67E+00	4.50E+01	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.57	7.00E+00	4.00E+01	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.3	5.33E+00	5.80E+01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-44.6	6.33E+00	5.40E+01	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.4	5.67E+00	5.70E+01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.8	6.00E+00	5.30E+01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	43.4	6.67E+00	7.50E+01	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.178	3.33E-02	3.20E-01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.16	4.33E-02	4.30E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	02/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.309	5.67E-02	5.30E-01	—	pCi/L	U	U	08-679	CASA-08-10556	GELC
R-35a	8331	1013.1	11/10/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.428	4.33E-02	3.50E-01	—	pCi/L	—	—	08-156	GWR35a-08-8636	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.13	1.13E-01	8.90E-01	—	pCi/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.0452	3.67E-02	4.00E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	02/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.233	8.67E-02	9.10E-01	—	pCi/L	U	U	08-679	CASA-08-10556	GELC
R-35a	8331	1013.1	11/10/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.175	8.00E-02	8.30E-01	—	pCi/L	U	U	08-156	GWR35a-08-8636	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.238	3.67E-01	3.30E+00	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.504	4.67E-01	4.20E+00	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.994	5.33E-01	4.90E+00	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.406	4.33E-01	4.40E+00	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0647	4.33E-01	4.10E+00	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.748	4.33E-01	4.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.26	4.67E-01	5.00E+00	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.18	4.33E-01	4.80E+00	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0812	4.67E-01	4.60E+00	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00906	3.33E-02	3.40E-01	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0185	3.23E-02	3.80E-01	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.136	2.43E-02	2.30E-01	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.159	1.90E-02	3.00E-01	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.423	4.67E-02	4.30E-01	—	pCi/L	U	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.126	2.57E-02	2.50E-01	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.145	3.67E-02	4.60E-01	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.142	4.67E-02	4.80E-01	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0796	2.07E-02	2.60E-01	—	pCi/L	U	U	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.28737	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10387	UMTL
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22351	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8305	UMTL
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	9.58E-02	2.87E-01	—	pCi/L	U	U	09-861	CASA-09-3015	UMTL
R-35a	8331	1013.1	11/06/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-885	UMTL
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.2772	3.53E-01	3.64E+00	—	pCi/L	U	U	08-1664	CASA-08-14391	ARSL
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.563	1.77E-02	8.80E-02	—	pCi/L	—	—	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.50E-02	6.50E-02	—	pCi/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.542	1.60E-02	7.80E-02	—	pCi/L	—	—	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.555	1.60E-02	8.60E-02	—	pCi/L	—	—	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.435	1.37E-02	6.70E-02	—	pCi/L	—	J-	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.508	1.57E-02	7.90E-02	—	pCi/L	—	—	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.544	1.60E-02	6.90E-02	—	pCi/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.44	1.37E-02	7.00E-02	—	pCi/L	—	—	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.586	1.67E-02	9.10E-02	—	pCi/L	—	—	08-1139	CASA-08-12875	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0324	3.33E-03	4.10E-02	—	pCi/L	U	U	09-1644	CASA-09-8304	GELC
R-35a	8331	1013.1	02/04/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0123	1.97E-03	3.60E-02	—	pCi/L	U	U	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0309	3.67E-03	4.20E-02	—	pCi/L	U	U	08-1662	CASA-08-14389	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0271	3.17E-03	4.00E-02	—	pCi/L	U	U	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00435	1.47E-03	3.30E-02	—	pCi/L	U	UJ	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0291	2.87E-03	3.70E-02	—	pCi/L	U	U	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00651	1.63E-03	3.90E-02	—	pCi/L	U	U	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0177	3.30E-03	3.80E-02	—	pCi/L	U	U	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00863	2.17E-03	4.30E-02	—	pCi/L	U	U	08-1139	CASA-08-12875	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	02/04/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.219	8.33E-03	4.10E-02	—	pCi/L	—	—	09-809	CASA-09-3014	GELC
R-35a	8331	1013.1	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.203	8.67E-03	4.10E-02	—	pCi/L	—	—	08-1662	CASA-08-14389	GELC
R-35a	8331	1013.1	05/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.197	8.33E-03	5.30E-02	—	pCi/L	—	—	08-1139	CASA-08-12874	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.159	7.00E-03	3.30E-02	—	pCi/L	—	J-	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.208	8.33E-03	3.90E-02	—	pCi/L	—	—	09-1644	CASA-09-8305	GELC
R-35a	8331	1013.1	02/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.234	8.67E-03	4.30E-02	—	pCi/L	—	—	09-809	CASA-09-3015	GELC
R-35a	8331	1013.1	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.207	8.00E-03	3.70E-02	—	pCi/L	—	—	08-1662	CASA-08-14391	GELC
R-35a	8331	1013.1	05/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.228	9.00E-03	5.70E-02	—	pCi/L	—	—	08-1139	CASA-08-12875	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-	—	0.00000303	—	—	3.03E-06	µg/L	J	J	09-2777	CASA-09-10392	ALTC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-	<	0.00000227	—	—	2.27E-06	µg/L	U	U	09-1622	CASA-09-8309	ALTC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.6	—	—	7.30E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	3.00E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	3.00E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	3.00E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	3.00E-02	mg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.87	—	—	6.60E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.82	—	—	6.60E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.661	—	—	3.30E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.698	—	—	3.30E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.519	—	—	3.30E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.9	—	—	3.50E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.3	—	—	3.50E-01	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61	—	—	3.50E-01	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	3.50E-01	mg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.9	—	—	3.50E-01	mg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.19	—	—	5.00E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.31	—	—	5.00E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	11/06/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.28	—	—	5.00E-02	mg/L	—	—	09-232	CASA-09-886	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	08-1663	CASA-08-14385	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.531	—	—	5.00E-02	µg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.547	—	—	5.00E-02	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.543	—	—	5.00E-02	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.05	—	—	5.00E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.12	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.81	—	—	5.00E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2	—	—	5.00E-02	mg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	5.00E-01	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	4.50E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	5.00E-01	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	4.50E-02	mg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	µS/cm	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	µS/cm	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.47	—	—	1.00E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.47	—	—	1.00E-01	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.582	—	—	3.30E-01	mg/L	J	J	09-2778	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1623	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	0.633	—	—	3.30E-01	mg/L	J	U	09-790	CASA-09-3019	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	04/27/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	µg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.2	—	—	1.00E+00	µg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	µg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	µg/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.00E+01	µg/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.00E+01	µg/L	J	J	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	µg/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.00E+01	µg/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.00E+01	µg/L	J	J	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.83	—	—	2.50E+00	µg/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.48	—	—	1.50E+00	µg/L	—	U	09-1625	CASA-09-9295	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.48	—	—	1.50E+00	µg/L	—	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.48	—	—	1.50E+00	µg/L	—	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	1.50E+00	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	µg/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.3	—	—	1.50E+00	µg/L	—	U	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.7	—	—	1.50E+00	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.548	—	—	5.00E-01	µg/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.57	—	—	5.00E-01	µg/L	J	J	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	µg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	µg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	µg/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.731	—	—	5.00E-01	µg/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.82	—	—	5.00E-01	µg/L	J	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	µg/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.834	—	—	5.00E-01	µg/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1	—	—	5.00E-01	µg/L	J	U	09-791	CASA-09-3019	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	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.5	—	—	3.20E-02	mg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72	—	—	1.00E+00	µg/L	—	J	09-2779	CASA-09-10394	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.6	—	—	1.00E+00	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.5	—	—	1.00E+00	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	µg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1.00E+00	µg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67	—	—	1.00E+00	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.326	—	—	5.00E-02	µg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.312	—	—	5.00E-02	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.33	—	—	5.00E-02	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.33	—	—	5.00E-02	µg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.288	—	—	5.00E-02	µg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.34	—	—	5.00E-02	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	µg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	µg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	µg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	32.5	—	—	3.30E+00	µg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.3	—	—	2.00E+00	µg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	38.3	—	—	2.00E+00	µg/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	39.1	—	—	3.30E+00	µg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	2.00E+00	µg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	39	—	—	2.00E+00	µg/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00749	2.23E-03	5.50E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00188	1.47E-03	3.70E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00424	3.20E-03	3.00E-02	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00714	3.03E-03	4.30E-02	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000568	8.67E-04	2.90E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00767	1.80E-03	4.00E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00745	2.40E-03	3.90E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0227	2.93E-03	3.20E-02	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0115	3.33E-03	4.00E-02	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.16	5.00E-01	5.00E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.08	6.00E-01	2.80E+00	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.96	5.67E-01	4.80E+00	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.12	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1139	CASA-08-12878	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	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0691	4.67E-01	4.70E+00	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.235	5.33E-01	5.00E+00	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.02	4.33E-01	3.50E+00	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.773	5.00E-01	5.10E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.599	3.33E-01	3.20E+00	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.23	6.33E-01	6.70E+00	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.77	4.67E-01	4.00E+00	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.143	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.13	5.67E-01	5.40E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.08	5.00E-01	5.20E+00	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.884	4.67E-01	5.00E+00	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.6	4.33E-01	4.70E+00	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.738	1.97E-01	2.00E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	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/beta	<	0.213	1.03E-01	1.20E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA: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	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	08/29/07	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	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	17.2	4.33E+00	3.00E+01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	20.3	3.27E+01	2.60E+01	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	116	3.67E+01	3.20E+02	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	108	1.47E+01	7.50E+01	—	pCi/L	—	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	164	1.53E+01	8.80E+01	—	pCi/L	—	—	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	28.8	1.03E+01	5.00E+01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.1	8.67E+00	2.80E+01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	149	4.33E+01	3.50E+02	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	24.1	4.00E+00	4.30E+01	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	3.30E+00	3.30E+01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.7	4.33E+00	3.90E+01	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.81	2.50E+00	2.10E+01	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.06	4.33E+00	4.30E+01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	4.33E+00	4.30E+01	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.83	4.00E+00	3.70E+01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.66	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.7	3.33E+00	3.30E+01	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00198	1.13E-03	3.10E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00705	1.43E-03	2.40E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0092	3.67E-03	3.20E-02	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00391	1.30E-03	3.50E-02	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00173	2.23E-03	2.60E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00217	3.33E-03	3.40E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00523	1.73E-03	2.40E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00756	5.67E-03	3.50E-02	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0105	2.07E-03	2.70E-02	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00396	2.30E-03	3.80E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00529	1.33E-03	3.50E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0069	2.53E-03	3.90E-02	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00587	1.47E-03	3.40E-02	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0156	1.90E-03	3.20E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.013	2.73E-03	4.20E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.43E-03	3.50E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0101	1.70E-03	4.30E-02	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00451	1.50E-03	2.60E-02	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.9	6.67E+00	6.70E+01	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.06	6.00E+00	5.80E+01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.32	7.33E+00	7.10E+01	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-35	6.00E+00	5.30E+01	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.4	6.33E+00	6.00E+01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-41.3	7.00E+00	6.00E+01	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	4.45	5.33E+00	5.40E+01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.87	6.00E+00	6.00E+01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.15	5.33E+00	5.10E+01	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.141	3.27E-02	3.30E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.409	5.33E-02	4.70E-01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	02/07/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.198	3.67E-02	3.60E-01	—	pCi/L	U	U	08-601	CASA-08-10559	GELC
R-35b	8351	825.4	11/10/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.157	3.33E-02	3.40E-01	—	pCi/L	U	U	08-156	GWR35b-08-8643	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0792	7.67E-02	9.20E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.75	6.67E-02	4.40E-01	—	pCi/L	—	—	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	02/07/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.363	6.67E-02	6.20E-01	—	pCi/L	U	U	08-601	CASA-08-10559	GELC
R-35b	8351	825.4	11/10/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.13	8.67E-02	5.10E-01	—	pCi/L	—	—	08-156	GWR35b-08-8643	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.523	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.587	4.00E-01	4.10E+00	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.284	5.33E-01	5.30E+00	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/13/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.82	6.33E-01	5.00E+00	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.51	5.00E-01	5.30E+00	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.04	5.67E-01	6.20E+00	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.401	4.67E-01	4.50E+00	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.79	4.33E-01	3.50E+00	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.43	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0147	4.00E-02	4.20E-01	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.16	5.00E-02	4.80E-01	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.213	5.00E-02	4.90E-01	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00934	2.50E-02	2.90E-01	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0119	4.67E-02	4.60E-01	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0175	5.00E-02	5.00E-01	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.228	4.00E-02	4.10E-01	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0311	2.60E-02	2.80E-01	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.261	3.67E-02	3.30E-01	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10392	UMTL
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	9.58E-02	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8309	UMTL
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	9.58E-02	2.87E-01	—	pCi/L	U	U	09-805	CASA-09-3019	UMTL
R-35b	8351	825.4	11/06/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	9.58E-02	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-887	UMTL
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.44702	3.15E-01	3.22E+00	—	pCi/L	U	U	08-1664	CASA-08-14384	ARSL
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.262	1.03E-02	8.30E-02	—	pCi/L	—	—	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.235	9.00E-03	7.20E-02	—	pCi/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.27	1.00E-02	8.40E-02	—	pCi/L	—	—	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.264	9.33E-03	7.50E-02	—	pCi/L	—	—	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.215	8.67E-03	7.00E-02	—	pCi/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.252	1.03E-02	8.50E-02	—	pCi/L	—	—	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.2	8.00E-03	6.80E-02	—	pCi/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.243	1.07E-02	1.00E-01	—	pCi/L	—	—	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.257	1.00E-02	8.30E-02	—	pCi/L	—	—	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0144	2.17E-03	4.20E-02	—	pCi/L	U	U	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0136	2.83E-03	4.00E-02	—	pCi/L	U	U	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0325	3.67E-03	4.70E-02	—	pCi/L	U	U	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0142	2.97E-03	3.50E-02	—	pCi/L	U	U	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00226	2.00E-03	3.40E-02	—	pCi/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	2.83E-03	4.30E-02	—	pCi/L	U	U	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00646	2.40E-03	3.80E-02	—	pCi/L	U	U	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0186	3.30E-03	5.50E-02	—	pCi/L	U	U	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.13E-03	3.90E-02	—	pCi/L	U	U	08-1139	CASA-08-12877	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.11	6.00E-03	5.00E-02	—	pCi/L	—	—	09-1625	CASA-09-8307	GELC
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.108	5.33E-03	4.50E-02	—	pCi/L	—	—	09-791	CASA-09-3017	GELC
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.112	6.00E-03	4.30E-02	—	pCi/L	—	—	08-1662	CASA-08-14385	GELC
R-35b	8351	825.4	05/13/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.122	6.00E-03	4.70E-02	—	pCi/L	—	—	08-1139	CASA-08-12878	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0733	4.33E-03	3.50E-02	—	pCi/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0887	6.00E-03	5.10E-02	—	pCi/L	—	—	09-1625	CASA-09-8309	GELC
R-35b	8351	825.4	02/02/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.108	5.33E-03	4.30E-02	—	pCi/L	—	—	09-791	CASA-09-3019	GELC
R-35b	8351	825.4	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0781	6.33E-03	5.40E-02	—	pCi/L	—	—	08-1662	CASA-08-14384	GELC
R-35b	8351	825.4	05/13/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.102	6.33E-03	5.20E-02	—	pCi/L	—	—	08-1139	CASA-08-12877	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.3	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	7.30E-01	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.5	—	—	7.30E-01	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	7.30E-01	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.3	—	—	7.30E-01	mg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.0952	—	—	6.60E-02	mg/L	J	J	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0945	—	—	6.60E-02	mg/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	UJ	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.091	—	—	6.70E-02	mg/L	J	J	09-817	CASA-09-3024	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.085	—	—	6.70E-02	mg/L	J	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.086	—	—	6.70E-02	mg/L	J	J	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	3.00E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	3.00E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	3.00E-02	mg/L	—	—	08-1663	CASA-08-14397	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	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	3.00E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	3.00E-02	mg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	3.00E-02	mg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	3.00E-02	mg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	5.54	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.55	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.95	—	—	6.60E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.82	—	—	6.60E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.64	—	—	6.60E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.84	—	—	6.60E-02	mg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.655	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.653	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.711	—	—	3.30E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.553	—	—	3.30E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.533	—	—	3.30E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.574	—	—	3.30E-02	mg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.7	—	—	3.50E-01	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.3	—	—	3.50E-01	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.6	—	—	3.50E-01	mg/L	—	—	08-1663	CASA-08-14397	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	08/05/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.7	—	—	3.50E-01	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.4	—	—	3.50E-01	mg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.7	—	—	3.50E-01	mg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.1	—	—	3.50E-01	mg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.22	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.23	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.37	—	—	8.50E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	8.50E-02	mg/L	—	—	08-1663	CASA-08-14397	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	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	4.15	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.25	—	—	8.50E-02	mg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.46	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.4	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.3	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.4	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.43	—	—	1.00E-01	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.22	—	—	1.00E-01	mg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	1.69	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10375	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	2.00E-01	µg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.54	—	—	2.00E-01	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.62	—	—	2.00E-01	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.51	—	—	1.00E-01	µg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.99	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.05	—	—	5.00E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.12	—	—	5.00E-02	mg/L	—	—	08-1663	CASA-08-14397	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	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.91	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.86	—	—	5.00E-02	mg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.08	—	—	5.00E-02	mg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	4.50E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	4.50E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	4.50E-02	mg/L	—	—	08-1663	CASA-08-14397	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	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	4.50E-02	mg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	4.50E-02	mg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.3	—	—	4.50E-02	mg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	µS/cm	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	µS/cm	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	184	—	—	1.00E+00	µS/cm	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	192	—	—	1.00E+00	µS/cm	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	µS/cm	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	198	—	—	1.00E+00	µS/cm	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	6.82	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.41	—	—	1.00E-01	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.08	—	—	1.00E-01	mg/L	—	J-	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.67	—	—	1.00E-01	mg/L	—	J-	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.84	—	—	1.00E-01	mg/L	—	J-	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	177	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	173	—	—	2.40E+00	mg/L	—	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.033	—	—	3.30E-02	mg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1642	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.032	—	—	2.90E-02	mg/L	J	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.069	—	—	2.90E-02	mg/L	J	U	09-233	CASA-09-893	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	08/05/09	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.03	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1642	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.04	—	—	3.30E-01	mg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.15	—	—	3.30E-01	mg/L	—	—	09-233	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.53	—	—	3.30E-01	mg/L	—	—	08-1663	CASA-08-14396	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.57	—	—	1.00E-02	SU	H	J-	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.73	—	—	1.00E-02	SU	H	J-	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	220	—	—	6.80E+01	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.8	—	—	1.50E+00	µg/L	J	J	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.6	—	—	1.50E+00	µg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.9	—	—	1.50E+00	µg/L	J	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	33.5	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.3	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.1	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.6	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.5	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	33.6	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.6	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.2	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.1	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.7	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	21.7	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.6	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.2	—	—	1.00E+01	µg/L	J	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.00E+01	µg/L	J	J	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.5	—	—	1.00E+01	µg/L	J	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.00E+01	µg/L	J	J	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23	—	—	1.00E+01	µg/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.7	—	—	1.00E+01	µg/L	J	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.2	—	—	1.00E+01	µg/L	J	J	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	1.00E+01	µg/L	J	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.02	—	—	2.50E+00	µg/L	J	J	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.3	—	—	2.50E+00	µg/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.66	—	—	1.50E+00	µg/L	N	J-	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.66	—	—	1.50E+00	µg/L	N	J-	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	1.50E+00	µg/L	—	—	09-1644	CASA-09-9296	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.2	—	—	1.50E+00	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	1.50E+00	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.6	—	—	1.50E+00	µg/L	—	—	09-232	CASA-09-908	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.5	—	—	1.50E+00	µg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.99	—	—	2.50E+00	µg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	5.97	—	—	2.50E+00	µg/L	J	J	09-2799	CASA-09-10373	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.74	—	—	1.50E+00	µg/L	N	J-	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.9	—	—	1.50E+00	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.4	—	—	1.50E+00	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.7	—	—	1.50E+00	µg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.8	—	—	2.50E+01	µg/L	J	J	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.2	—	—	2.50E+01	µg/L	J	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	43.2	—	—	2.50E+01	µg/L	J	U	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	65.7	—	—	3.00E+01	µg/L	J	J	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	32.6	—	—	2.50E+01	µg/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	62.5	—	—	2.50E+01	µg/L	J	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	129	—	—	2.50E+01	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	172	—	—	2.50E+01	µg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	0.63	—	—	5.00E-01	µg/L	J	J	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.624	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.729	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.761	—	—	5.00E-01	µg/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.86	—	—	5.00E-01	µg/L	J	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.2	—	—	5.00E-01	µg/L	J	J	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.6	—	—	5.00E-01	µg/L	J	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	µg/L	J	J	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.19	—	—	2.00E+00	µg/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.39	—	—	2.00E+00	µg/L	J	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	µg/L	J	J	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.2	—	—	2.00E+00	µg/L	J	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5	—	—	2.00E+00	µg/L	J	J	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.21	—	—	2.00E+00	µg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	2.75	—	—	2.00E+00	µg/L	J	J	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.53	—	—	2.00E+00	µg/L	J	J	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.3	—	—	2.00E+00	µg/L	J	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5	—	—	2.00E+00	µg/L	J	J	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.8	—	—	2.00E+00	µg/L	J	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.76	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.77	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	µg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.00E-01	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.00E-01	µg/L	—	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.00E-01	µg/L	—	J	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.8	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.85	—	—	1.00E-01	µg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.00E-01	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.00E-01	µg/L	—	J	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.9	—	—	1.00E-01	µg/L	—	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.87	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.76	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.9	—	—	5.00E-01	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.5	—	—	5.00E-01	µg/L	—	U	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.88	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	µg/L	J	J	09-1643	CASA-09-8311	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	5.00E-01	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.5	—	—	5.00E-01	µg/L	—	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.1	—	—	1.00E+00	µg/L	J	J	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Selenium	—	1.01	—	—	1.00E+00	µg/L	J	J	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.1	—	—	1.00E+00	µg/L	J	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.3	—	—	1.00E+00	µg/L	J	J	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.3	—	—	1.00E+00	µg/L	J	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.1	—	—	3.20E-02	mg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	3.20E-02	mg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	3.20E-02	mg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72	—	—	3.20E-02	mg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	71.1	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.9	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.9	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.6	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.3	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.4	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	65.3	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.6	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.352	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.338	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.284	—	—	5.00E-02	µg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.37	—	—	5.00E-02	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.32	—	—	5.00E-02	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.4	—	—	5.00E-02	µg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.348	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.357	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.313	—	—	5.00E-02	µg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.39	—	—	5.00E-02	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.32	—	—	5.00E-02	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.4	—	—	5.00E-02	µg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	µg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.7	—	—	1.00E+00	µg/L	—	—	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	73.6	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10375	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	70.3	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	75.3	—	—	2.00E+00	µg/L	—	—	09-1643	CASA-09-8312	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	71.3	—	—	2.00E+00	µg/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	11/06/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	60.8	—	—	2.00E+00	µg/L	—	—	09-232	CASA-09-892	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	58.9	—	—	2.00E+00	µg/L	—	J	08-1663	CASA-08-14397	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	73	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	82.9	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	77.8	—	—	2.00E+00	µg/L	—	—	09-1643	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	78.1	—	—	2.00E+00	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	73.5	—	—	2.00E+00	µg/L	—	—	09-232	CASA-09-893	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	74	—	—	2.00E+00	µg/L	—	J	08-1663	CASA-08-14396	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00188	1.07E-03	3.80E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00851	3.33E-03	4.70E-02	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00603	2.03E-03	3.60E-02	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0215	5.00E-03	5.90E-02	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.0143	2.87E-03	7.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00629	1.33E-03	4.00E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.005	2.10E-03	4.30E-02	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0117	2.30E-03	3.20E-02	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0102	4.67E-03	5.60E-02	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.92	4.67E-01	4.30E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.707	5.00E-01	4.60E+00	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.19	5.00E-01	3.90E+00	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.923	4.33E-01	4.10E+00	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	1.18	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.08	4.33E-01	4.40E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.92	4.67E-01	4.40E+00	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.121	5.00E-01	4.60E+00	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.24	4.00E-01	3.70E+00	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.715	4.67E-01	4.10E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.845	5.00E-01	4.70E+00	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.72	5.33E-01	5.60E+00	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.604	4.33E-01	3.90E+00	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.488	6.00E-01	5.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.14	4.00E-01	3.70E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.424	4.33E-01	4.40E+00	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.941	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.26	4.33E-01	3.80E+00	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.539	1.47E-01	1.50E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.151	2.37E-01	2.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	1.12	2.57E-01	2.50E+00	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.585	1.23E-01	1.20E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.78	2.57E-01	1.80E+00	—	pCi/L	—	—	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	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	08/05/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.01	1.50E-01	1.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.4	2.83E-01	2.30E+00	—	pCi/L	—	—	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	61	1.00E+01	5.80E+01	—	pCi/L	—	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	52.1	1.27E+01	5.10E+01	—	pCi/L	—	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	19	4.33E+00	1.80E+01	—	pCi/L	—	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	157	3.33E+01	3.80E+02	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	30.2	8.33E+00	2.10E+01	—	pCi/L	—	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.4	8.00E+00	2.80E+01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	74.2	1.87E+01	7.30E+01	—	pCi/L	—	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.3	2.90E+00	2.00E+01	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	113	9.67E+01	4.10E+02	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.64	3.67E+00	3.50E+01	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	4.67E+00	4.00E+01	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.52	3.30E+00	3.00E+01	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.18	3.03E+00	3.10E+01	—	pCi/L	U	U	08-1124	CASA-08-12885	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.2	3.17E+00	2.70E+01	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	17.8	4.00E+00	3.90E+01	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.65	3.07E+00	2.80E+01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.42	3.33E+00	3.10E+01	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.3	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.52	3.23E+00	2.10E+01	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00435	1.27E-03	3.40E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0114	3.33E-03	2.60E-02	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.67E-04	3.20E-02	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00173	1.53E-03	3.10E-02	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0	4.33E-03	6.20E-02	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00195	9.33E-04	3.10E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00179	1.03E-03	2.50E-02	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00428	1.77E-03	3.00E-02	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00312	1.63E-03	2.80E-02	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00435	1.77E-03	4.20E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0022	1.33E-03	3.80E-02	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.009	1.83E-03	3.80E-02	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00519	1.00E-03	3.00E-02	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00414	4.00E-03	7.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00391	9.33E-04	3.70E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00536	1.33E-03	3.60E-02	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00214	1.60E-03	3.70E-02	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0125	1.50E-03	2.70E-02	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.5	6.00E+00	6.10E+01	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.57	6.33E+00	6.50E+01	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.2	5.67E+00	5.60E+01	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	42.3	6.00E+00	4.30E+01	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-12.5	5.67E+00	5.70E+01	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.3	5.00E+00	5.50E+01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.5	5.67E+00	5.90E+01	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-34.4	5.67E+00	4.60E+01	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.0346	6.67E+00	3.40E+01	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.846	4.00E-01	3.60E+00	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.75	5.33E-01	4.80E+00	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.1	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.38	5.33E-01	4.20E+00	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	1.79	5.33E-01	5.80E+00	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.72	4.33E-01	3.40E+00	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.351	4.67E-01	4.30E+00	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.61	5.00E-01	4.10E+00	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.843	3.17E-01	3.40E+00	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0741	2.87E-02	3.00E-01	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0934	4.67E-02	5.00E-01	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0158	3.67E-02	4.00E-01	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0861	3.07E-02	3.20E-01	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.101	4.00E-02	4.40E-01	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0442	2.97E-02	3.00E-01	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.192	4.00E-02	4.10E-01	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0687	2.70E-02	2.90E-01	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.127	3.33E-02	3.50E-01	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.96642	2.13E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10376	UMTL
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	20.14783	2.24E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10373	UMTL
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.05204	2.24E-01	2.87E-01	—	pCi/L	—	—	09-1645	CASA-09-8311	UMTL
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	19.92432	2.24E-01	2.87E-01	—	pCi/L	—	—	09-861	CASA-09-3025	UMTL
R-36	8431	766.9	11/06/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.69064	2.24E-01	2.87E-01	—	pCi/L	—	—	09-265	CASA-09-893	UMTL
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	13.66604	7.98E-01	3.42E+00	—	pCi/L	—	—	08-1664	CASA-08-14396	ARSL
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.208	1.00E-02	1.20E-01	—	pCi/L	—	—	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.215	8.33E-03	6.50E-02	—	pCi/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.285	1.03E-02	7.70E-02	—	pCi/L	—	—	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.321	1.67E-02	1.70E-01	—	pCi/L	—	—	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.472	1.50E-02	7.60E-02	—	pCi/L	—	—	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.248	1.13E-02	1.20E-01	—	pCi/L	—	—	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.228	8.67E-03	6.90E-02	—	pCi/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.296	9.33E-03	5.90E-02	—	pCi/L	—	—	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.371	1.67E-02	1.80E-01	—	pCi/L	—	—	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00717	2.93E-03	5.40E-02	—	pCi/L	U	U	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0124	1.97E-03	3.70E-02	—	pCi/L	U	U	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0222	3.23E-03	4.10E-02	—	pCi/L	U	U	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0598	6.67E-03	8.10E-02	—	pCi/L	U	U	08-1124	CASA-08-12885	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	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0123	2.20E-03	3.70E-02	—	pCi/L	U	U	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00353	2.63E-03	5.30E-02	—	pCi/L	U	U	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0153	2.43E-03	3.90E-02	—	pCi/L	U	U	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.025	2.80E-03	3.30E-02	—	pCi/L	U	U	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	1.35E-09	4.67E-03	8.40E-02	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0841	6.00E-03	5.80E-02	—	pCi/L	—	—	09-1644	CASA-09-8312	GELC
R-36	8431	766.9	02/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.113	5.33E-03	4.10E-02	—	pCi/L	—	—	09-817	CASA-09-3024	GELC
R-36	8431	766.9	08/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.112	6.33E-03	4.00E-02	—	pCi/L	—	—	08-1662	CASA-08-14397	GELC
R-36	8431	766.9	05/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.119	1.03E-02	1.10E-01	—	pCi/L	—	—	08-1124	CASA-08-12885	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.206	8.00E-03	3.40E-02	—	pCi/L	—	—	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.193	8.00E-03	3.80E-02	—	pCi/L	—	—	09-2800	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0885	6.00E-03	5.70E-02	—	pCi/L	—	—	09-1644	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.147	6.67E-03	4.40E-02	—	pCi/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.109	5.33E-03	3.00E-02	—	pCi/L	—	—	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.105	1.03E-02	1.10E-01	—	pCi/L	U	U	08-1124	CASA-08-12884	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	10.7	—	—	2.20E+00	µg/L	J	J	09-2798	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	8.12	—	—	2.10E+00	µg/L	J	J	09-2798	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	9.36	—	—	2.10E+00	µg/L	J	J	09-1642	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	12.2	—	—	2.20E+00	µg/L	—	J	09-817	CASA-09-3025	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	59.1	—	—	2.20E+00	µg/L	—	—	08-1122	CASA-08-12884	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	0.476	—	—	2.50E-01	µg/L	J	J	09-2798	CASA-09-10376	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	FD	Voa	SW-846:8260B	Toluene	—	0.475	—	—	2.50E-01	µg/L	J	J	09-2798	CASA-09-10373	GELC
R-36	8431	766.9	04/28/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	<	2.72	—	—	2.50E-01	µg/L	—	U	09-1642	CASA-09-8311	GELC
R-36	8431	766.9	02/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	4.62	—	—	2.50E-01	µg/L	—	—	09-817	CASA-09-3025	GELC
R-36	8431	766.9	08/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	8.78	—	—	2.50E-01	µg/L	—	—	08-1662	CASA-08-14396	GELC
R-36	8431	766.9	05/12/08	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	11.2	—	—	2.50E-01	µg/L	—	—	08-1122	CASA-08-12884	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.7	—	—	7.30E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.6	—	—	7.30E-01	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.3	—	—	7.30E-01	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	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	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-224	CASA-09-1019	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	3.00E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	3.00E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	3.00E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	3.00E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	3.00E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.11	—	—	6.60E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.07	—	—	6.60E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.6	—	—	6.60E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.536	—	—	3.30E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.38	—	—	3.30E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.414	—	—	3.30E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.4	—	—	3.50E-01	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.2	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.5	—	—	3.50E-01	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.3	—	—	3.50E-01	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.3	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	8.50E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.6	—	—	8.50E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.65	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	5.93	—	—	2.50E-01	mg/L	—	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.03	—	—	2.50E-01	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.886	—	—	5.00E-02	µg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.793	—	—	5.00E-02	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.873	—	—	5.00E-02	µg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	4.50E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	4.50E-02	mg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	4.50E-02	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	µS/cm	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	µS/cm	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.77	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.01	—	—	1.00E-01	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.83	—	—	1.00E-01	mg/L	—	J-	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	09-2938	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.52	—	—	3.30E-01	mg/L	—	—	09-2432	CAMO-09-10501	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.129	—	—	1.50E-02	mg/L	—	J-	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.063	—	—	1.50E-02	mg/L	—	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.045	—	—	2.40E-02	mg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.75	—	—	1.00E-02	SU	H	J-	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.72	—	—	1.50E+00	µg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.6	—	—	1.50E+00	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.3	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00E+00	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.6	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.1	—	—	1.00E+01	µg/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.00E+01	µg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.00E+01	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	14.3	—	—	1.00E+01	µg/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.5	—	—	1.00E+01	µg/L	J	J	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.25	—	—	2.50E+00	µg/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	µg/L	J	J	09-2939	CASA-09-10403	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.35	—	—	1.50E+00	µg/L	J	J	09-2433	CAMO-09-10504	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	1.50E+00	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.74	—	—	2.50E+00	µg/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.81	—	—	1.50E+00	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.50E+00	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	107	—	—	2.50E+01	µg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	37.3	—	—	2.50E+01	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.5	—	—	3.00E+01	µg/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	123	—	—	2.50E+01	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2330	—	—	2.50E+01	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.5	—	—	2.00E+00	µg/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	21	—	—	2.00E+00	µg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	17.8	—	—	2.00E+00	µg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.66	—	—	2.00E+00	µg/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	26.7	—	—	2.00E+00	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.71	—	—	1.00E-01	µg/L	—	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.00E-01	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	µg/L	—	U	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.6	—	—	1.00E-01	µg/L	—	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.00E-01	µg/L	—	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	1.00E-01	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.7	—	—	1.00E-01	µg/L	—	U	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	µg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.93	—	—	5.00E-01	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.93	—	—	5.00E-01	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-2939	CASA-09-10397	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.64	—	—	5.00E-01	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	µg/L	J	J	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.85	—	—	1.00E+00	µg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	µg/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	µg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.64	—	—	1.00E+00	µg/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.56	—	—	1.00E+00	µg/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1	—	—	1.00E+00	µg/L	J	J	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.8	—	—	5.30E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.2	—	—	3.20E-02	mg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	3.20E-02	mg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.2	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64.8	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.1	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.1	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1.00E+00	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.2	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-224	CASA-09-1020	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.656	—	—	3.00E-01	µg/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.76	—	—	3.00E-01	µg/L	J	J	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.069	—	—	5.00E-02	µg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.123	—	—	5.00E-02	µg/L	J	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.16	—	—	5.00E-02	µg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.16	—	—	5.00E-02	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.06	—	—	5.00E-02	µg/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.18	—	—	5.00E-02	µg/L	J	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.21	—	—	5.00E-02	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.93	—	—	1.00E+00	µg/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.3	—	—	1.00E+00	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4	—	—	1.00E+00	µg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.12	—	—	1.00E+00	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.51	—	—	3.30E+00	µg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.76	—	—	2.00E+00	µg/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.4	—	—	2.00E+00	µg/L	J	J	09-224	CASA-09-1020	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.1	—	—	2.00E+00	µg/L	J	J	09-224	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.7	—	—	3.30E+00	µg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	2.00E+00	µg/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.6	—	—	2.00E+00	µg/L	—	—	09-224	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0153	2.00E-03	3.90E-02	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00063	6.67E-04	2.70E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00215	1.00E-03	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00908	4.00E-03	3.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00449	9.67E-04	2.50E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.59	4.67E-01	4.20E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.18	4.67E-01	4.60E+00	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.776	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.227	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.44	4.33E-01	4.60E+00	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.23	4.67E-01	5.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.24	4.67E-01	4.30E+00	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.56	4.67E-01	4.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.705	4.33E-01	4.60E+00	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.0419	1.53E-01	2.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.128	1.33E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.117	1.10E-01	1.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.56	2.43E-01	2.30E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.294	1.80E-01	2.00E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.48	2.17E-01	1.70E+00	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.7	1.10E+01	7.10E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	7.27	2.53E+00	1.40E+01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	92.9	2.67E+01	1.20E+02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	67	6.00E+00	6.30E+01	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.8	8.67E+00	4.10E+01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.5	4.00E+00	3.60E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.81	3.67E+00	3.40E+01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	27.6	4.00E+00	3.40E+01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.25	3.67E+00	3.80E+01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13	3.33E+00	3.30E+01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0112	2.30E-03	2.90E-02	—	pCi/L	U	UJ	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00502	1.23E-03	2.40E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0152	2.03E-03	3.00E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00369	2.13E-03	3.30E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00332	1.57E-03	2.40E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00159	5.33E-04	2.90E-02	—	pCi/L	U	UJ	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00167	9.67E-04	2.90E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00338	1.77E-03	3.30E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.23E-03	3.40E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00664	1.10E-03	2.80E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	11.8	7.00E+00	7.50E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.8	6.67E+00	6.00E+01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.72	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.5	5.67E+00	6.10E+01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	49.2	7.33E+00	3.00E+01	—	pCi/L	UI	R	09-227	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.233	3.67E-02	3.40E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.883	8.33E-02	5.50E-01	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.123	5.67E-02	6.30E-01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.537	9.33E-02	8.70E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.272	5.33E-02	5.20E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.521	5.67E-02	4.10E-01	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.788	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.376	4.00E-01	4.10E+00	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.234	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.731	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.263	4.67E-01	4.50E+00	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0158	3.67E-02	4.10E-01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0823	4.33E-02	4.90E-01	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0185	2.73E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.152	4.00E-02	3.90E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0366	4.00E-02	4.60E-01	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.00155	8.33E-04	1.20E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.0196	2.67E-03	1.30E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	0.0000882	1.20E-03	4.40E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10501	UMTL
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	9.58E-02	2.87E-01	—	pCi/L	—	U	09-266	CASA-09-1018	UMTL
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0821	5.67E-03	1.00E-01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.156	6.33E-03	5.80E-02	—	pCi/L	—	—	09-227	CASA-09-1019	GELC
R-43	8651	903.9	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.107	7.00E-03	1.20E-01	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.144	6.67E-03	5.80E-02	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00313	1.47E-03	4.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0144	2.07E-03	3.10E-02	—	pCi/L	U	U	09-227	CASA-09-1019	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0131	2.93E-03	6.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	3.33E-03	5.50E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0104	1.57E-03	3.10E-02	—	pCi/L	U	U	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0405	4.00E-03	4.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	11/05/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0565	3.67E-03	3.10E-02	—	pCi/L	—	—	09-227	CASA-09-1019	GELC
R-43	8651	903.9	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
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0365	4.00E-03	5.60E-02	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0537	3.33E-03	3.10E-02	—	pCi/L	—	—	09-227	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	FD	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	4.82	—	—	2.20E+00	µg/L	J	J	09-2432	CAMO-09-10505	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	4.67	—	—	2.40E+00	µg/L	J	J	09-2432	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	3.35	—	—	2.10E+00	µg/L	BJ	U	09-226	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	FD	Voa	SW-846:8260B	Acetone	—	113	—	—	3.50E+00	µg/L	—	—	09-2432	CAMO-09-10505	GELC
R-43	8651	903.9	06/19/09	WG	UF	DL	FS	Voa	SW-846:8260B	Acetone	—	300	—	—	6.70E+00	µg/L	—	J	09-2430	CAMO-09-10506	PARA
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	—	114	—	—	3.50E+00	µg/L	—	—	09-2432	CAMO-09-10501	GELC
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Voa	SW-846:8260B	Acetone	<	5	—	—	1.50E+00	µg/L	U	U	09-226	CASA-09-1018	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	FS	Voa	SW-846:8260B	Chloromethane	—	0.23	—	—	1.70E-01	µg/L	J	J	09-2430	CAMO-09-10506	PARA
R-43	8651	903.9	11/05/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-226	CASA-09-1018	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.1	—	—	7.30E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.1	—	—	7.30E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.1	—	—	7.30E-01	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	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	06/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.8	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	3.00E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.3	—	—	3.00E-02	mg/L	—	J+	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	3.00E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.1	—	—	3.00E-02	mg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.81	—	—	6.60E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.97	—	—	6.60E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4	—	—	6.60E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.516	—	—	3.30E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.46	—	—	3.30E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.412	—	—	3.30E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.4	—	—	3.50E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.6	—	—	3.50E-01	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.8	—	—	3.50E-01	mg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.5	—	—	3.50E-01	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69.8	—	—	3.50E-01	mg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.08	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	8.50E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.87	—	—	8.50E-02	mg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.16	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.76	—	—	8.50E-02	mg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.27	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.4	—	—	1.00E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.695	—	—	5.00E-02	mg/L	—	—	09-259	CASA-09-1024	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.731	—	—	5.00E-02	µg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.756	—	—	5.00E-02	µg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.429	—	—	5.00E-02	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	4.50E-02	mg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	4.50E-02	mg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	µS/cm	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	µS/cm	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	195	—	—	1.00E+00	µS/cm	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.49	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.92	—	—	1.00E-01	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.44	—	—	1.00E-01	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	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	06/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.536	—	—	3.30E-01	mg/L	J	J	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.398	—	—	3.30E-01	mg/L	J	J	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.154	—	—	1.50E-02	mg/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.104	—	—	2.40E-02	mg/L	—	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.58	—	—	1.00E-02	SU	H	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.46	—	—	1.00E-02	SU	H	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.09	—	—	1.50E+00	µg/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.55	—	—	1.50E+00	µg/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-261	CASA-09-1026	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.82	—	—	1.50E+00	µg/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.43	—	—	1.50E+00	µg/L	J	J	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.6	—	—	1.00E+00	µg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.6	—	—	1.00E+00	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	µg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.2	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00E+00	µg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	µg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.00E+01	µg/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.00E+01	µg/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	1.00E+01	µg/L	J	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.6	—	—	1.00E+01	µg/L	J	J	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	µg/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	14.9	—	—	1.00E+01	µg/L	J	J	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.5	—	—	1.00E+01	µg/L	J	J	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	µg/L	J	J	09-2939	CASA-09-10401	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2.04	—	—	1.50E+00	µg/L	J	U	09-2408	CAMO-09-10512	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3.4	—	—	1.50E+00	µg/L	—	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	µg/L	U	U	09-261	CASA-09-1026	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1.50E+00	µg/L	J	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	2.50E+00	µg/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	5.87	—	—	1.50E+00	µg/L	—	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.5	—	—	1.50E+00	µg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	µg/L	U	U	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	28.5	—	—	2.50E+01	µg/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	98.1	—	—	2.50E+01	µg/L	J	J	09-261	CASA-09-1026	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	255	—	—	2.50E+01	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.5	—	—	3.00E+01	µg/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	92.6	—	—	2.50E+01	µg/L	J	J	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	994	—	—	2.50E+01	µg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.23	—	—	2.00E+00	µg/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	14.3	—	—	2.00E+00	µg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	14.9	—	—	2.00E+00	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.15	—	—	2.00E+00	µg/L	J	J	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.2	—	—	2.00E+00	µg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.17	—	—	1.00E-01	µg/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.15	—	—	1.00E-01	µg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.3	—	—	1.00E-01	µg/L	—	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.1	—	—	1.00E-01	µg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.54	—	—	1.00E-01	µg/L	—	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.19	—	—	1.00E-01	µg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.3	—	—	1.00E-01	µg/L	—	J	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	µg/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.61	—	—	5.00E-01	µg/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.77	—	—	5.00E-01	µg/L	J	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.98	—	—	5.00E-01	µg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.2	—	—	5.00E-01	µg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.15	—	—	1.00E+00	µg/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.83	—	—	1.00E+00	µg/L	J	J	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-261	CASA-09-1026	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.41	—	—	1.00E+00	µg/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	µg/L	J	J	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.4	—	—	3.20E-02	mg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	3.20E-02	mg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.6	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	µg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	78.3	—	—	1.00E+00	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	83.4	—	—	1.00E+00	µg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.5	—	—	1.00E+00	µg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.2	—	—	1.00E+00	µg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.434	—	—	5.00E-02	µg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.2	—	—	5.00E-02	µg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.472	—	—	5.00E-02	µg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.21	—	—	5.00E-02	µg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-259	CASA-09-1028	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Metals	SW-846:6010B	Vanadium	—	7.26	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.85	—	—	1.00E+00	µg/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.5	—	—	1.00E+00	µg/L	—	—	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	µg/L	—	—	09-261	CASA-09-1026	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.18	—	—	1.00E+00	µg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	µg/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7	—	—	1.00E+00	µg/L	—	—	09-259	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.041	4.67E-03	6.40E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00565	1.63E-03	2.10E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00202	6.00E-04	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	1.03E-03	3.80E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00553	1.33E-03	2.40E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.09	3.67E-01	3.90E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.108	4.33E-01	4.30E+00	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.436	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.05	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.08	3.67E-01	3.40E+00	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.3	4.33E-01	4.50E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.545	4.67E-01	4.60E+00	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.588	5.33E-01	4.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.618	3.67E-01	3.40E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.53	4.00E-01	3.80E+00	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.534	1.23E-01	1.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.584	1.60E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.92	2.03E-01	2.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.66	2.93E-01	2.80E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.27	2.40E-01	2.30E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.17	2.40E-01	2.40E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	87.6	8.67E+00	7.10E+01	—	pCi/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.2	5.67E+00	5.00E+01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	42.3	5.00E+00	4.50E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.5	1.23E+01	8.20E+01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.7	6.00E+00	6.10E+01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.6	3.67E+00	3.60E+01	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.1	3.33E+00	3.40E+01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.2	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.6	4.00E+00	3.30E+01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-19.3	2.93E+00	2.60E+01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0166	4.00E-03	4.30E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.40E-03	2.50E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00178	1.57E-03	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00289	1.37E-03	5.20E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00509	1.50E-03	2.50E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00475	1.93E-03	4.30E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00173	1.30E-03	2.90E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-2.12E-10	8.33E-04	3.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00578	2.37E-03	5.30E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0119	1.60E-03	2.90E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-38.9	5.33E+00	4.10E+01	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	4.25	6.00E+00	6.10E+01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-39.5	5.33E+00	4.60E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	7.67E+00	4.00E+01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	35	5.00E+00	4.80E+01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.379	4.67E-02	3.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.73	6.33E-02	2.10E-01	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.351	6.00E-02	5.60E-01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.3	1.27E-01	9.30E-01	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.454	8.33E-02	7.80E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.45	1.23E-01	8.30E-01	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.107	4.00E-01	3.80E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.741	4.33E-01	4.00E+00	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.389	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.423	4.33E-01	4.00E+00	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.661	3.33E-01	3.00E+00	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.252	5.00E-02	5.00E-01	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.165	2.23E-02	2.10E-01	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0593	2.73E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0498	4.00E-02	4.60E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00162	2.27E-02	2.30E-01	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0041	1.30E-03	1.10E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.025	2.53E-03	1.20E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.00461	1.03E-03	3.90E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	9.58E-02	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10508	UMTL
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	9.58E-02	2.87E-01	—	pCi/L	U	U	09-266	CAMO-09-1028	UMTL
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.182	7.33E-03	6.70E-02	—	pCi/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.954	2.30E-02	6.40E-02	—	pCi/L	—	—	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.375	1.53E-02	1.20E-01	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.247	8.67E-03	6.60E-02	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.03	2.63E-02	8.10E-02	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00615	1.53E-03	3.00E-02	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0296	3.17E-03	3.40E-02	—	pCi/L	U	U	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0161	2.70E-03	6.00E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0143	1.83E-03	3.00E-02	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0172	2.37E-03	4.30E-02	—	pCi/L	U	U	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0664	4.00E-03	3.00E-02	—	pCi/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	11/10/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.35	1.07E-02	3.40E-02	—	pCi/L	—	—	09-261	CASA-09-1024	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	8.00E-03	6.00E-02	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.071	4.33E-03	3.00E-02	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.402	1.30E-02	4.30E-02	—	pCi/L	—	—	09-261	CASA-09-1028	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	FB	Voa	SW-846:8260B	Chloromethane	—	0.349	—	—	3.00E-01	µg/L	J	J	09-2409	CAMO-09-10511	GELC
R-43	8661	969.1	11/10/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	3.00E-01	µg/L	U	U	09-261	CASA-09-1028	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	272	—	—	1.50E+00	mg/L	—	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	175	—	—	7.30E-01	mg/L	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	150	—	—	7.30E-01	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	155	—	—	7.30E-01	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	166	—	—	7.30E-01	mg/L	—	—	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.551	—	—	6.60E-02	mg/L	—	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.184	—	—	6.60E-02	mg/L	J	J+	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.54	—	—	6.70E-02	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.451	—	—	6.70E-02	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.845	—	—	6.70E-02	mg/L	—	—	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	72	—	—	6.60E-01	mg/L	—	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	110	—	—	6.60E-01	mg/L	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	134	—	—	6.60E-01	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	60.7	—	—	6.60E-01	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.9	—	—	6.60E-01	mg/L	—	—	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.598	—	—	3.30E-02	mg/L	—	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.638	—	—	3.30E-02	mg/L	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.568	—	—	3.30E-02	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.385	—	—	3.30E-02	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.559	—	—	3.30E-02	mg/L	—	—	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	762	—	—	1.00E+00	µS/cm	—	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	747	—	—	1.00E+00	µS/cm	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	781	—	—	1.00E+00	µS/cm	—	—	09-935	CASA-09-2757	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	556	—	—	1.00E+00	µS/cm	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	660	—	—	1.00E+00	µS/cm	—	—	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.18	—	—	1.00E-01	mg/L	—	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.4	—	—	1.00E-01	mg/L	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	36.3	—	—	1.00E-01	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.4	—	—	1.00E-01	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	<	0.7	—	—	1.00E-01	mg/L	—	U	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	583	—	—	2.40E+00	mg/L	—	J	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	508	—	—	2.40E+00	mg/L	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	519	—	—	2.40E+00	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	385	—	—	2.40E+00	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	447	—	—	2.40E+00	mg/L	—	—	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.14	—	—	1.00E-02	SU	H	J-	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.19	—	—	1.00E-02	SU	H	J-	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.44	—	—	1.00E-02	SU	H	J-	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.25	—	—	1.00E-02	SU	H	J-	08-1173	CASA-08-12828	GELC
SCA-1	7981	1.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	133	—	—	2.70E-01	mg/L	*	—	09-2783	CASA-09-10330	GELC
SCA-1	7981	1.3	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	108	—	—	1.60E-01	mg/L	—	—	09-1654	CASA-09-8242	GELC
SCA-1	7981	1.3	02/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	95.7	—	—	3.20E-02	mg/L	—	—	09-935	CASA-09-2757	GELC
SCA-1	7981	1.3	11/04/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	92.6	—	—	3.20E-02	mg/L	—	—	09-214	CASA-09-852	GELC
SCA-1	7981	1.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	107	—	—	1.60E-01	mg/L	—	—	08-1173	CASA-08-12828	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	153	—	—	7.30E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	175	—	—	7.30E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	149	—	—	7.30E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.551	—	—	6.60E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.58	—	—	6.60E-02	mg/L	—	J+	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.611	—	—	6.70E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.7	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26	—	—	3.00E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.1	—	—	3.00E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.6	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	3.00E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.3	—	—	3.00E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	63.9	—	—	6.60E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	97.6	—	—	6.60E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	106	—	—	6.60E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00273	—	—	1.70E-03	mg/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.627	—	—	3.30E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.706	—	—	3.30E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.536	—	—	3.30E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	94.2	—	—	3.50E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	95.8	—	—	3.50E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	92.6	—	—	3.50E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	94.1	—	—	3.50E-01	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	93.7	—	—	3.50E-01	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	93.6	—	—	3.50E-01	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.28	—	—	8.50E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.47	—	—	8.50E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.31	—	—	8.50E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.33	—	—	8.50E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.3	—	—	8.50E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.41	—	—	8.50E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.3	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.8	—	—	5.00E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.1	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	76.2	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	98.1	—	—	4.50E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.4	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	96	—	—	4.50E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	109	—	—	4.50E-02	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	539	—	—	1.00E+00	µS/cm	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	702	—	—	1.00E+00	µS/cm	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	720	—	—	1.00E+00	µS/cm	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.09	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16	—	—	1.00E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	36	—	—	1.00E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.40E+00	mg/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	490	—	—	2.40E+00	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	494	—	—	2.40E+00	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.439	—	—	3.30E-02	mg/L	—	—	09-2760	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.372	—	—	3.30E-02	mg/L	—	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.78	—	—	3.30E-01	mg/L	—	—	09-2760	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.45	—	—	3.30E-01	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.12	—	—	3.30E-01	mg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.65	—	—	1.50E-01	mg/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3	—	—	7.50E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.674	—	—	2.40E-02	mg/L	—	J	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.06	—	—	1.00E-02	SU	H	J-	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.32	—	—	1.00E-02	SU	H	J-	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.38	—	—	1.00E-02	SU	H	J-	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.97	—	—	1.50E+00	µg/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.02	—	—	1.50E+00	µg/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.3	—	—	1.00E+00	µg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.4	—	—	1.00E+00	µg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	71.5	—	—	1.00E+00	µg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	87.2	—	—	1.00E+00	µg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.7	—	—	1.00E+00	µg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	74.3	—	—	1.00E+00	µg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49.6	—	—	1.50E+01	µg/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	75.2	—	—	1.00E+01	µg/L	—	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	68.2	—	—	1.00E+01	µg/L	—	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50	—	—	1.50E+01	µg/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.2	—	—	1.00E+01	µg/L	—	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	73.3	—	—	1.00E+01	µg/L	—	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.5	—	—	2.50E+00	µg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	1.50E+00	µg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.5	—	—	1.50E+00	µg/L	—	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	19.8	—	—	2.50E+00	µg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.7	—	—	1.50E+00	µg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	1.50E+00	µg/L	—	J	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.19	—	—	1.00E+00	µg/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1	—	—	1.00E+00	µg/L	J	J	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-1654	CASA-09-8410	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	µg/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	608	—	—	3.00E+01	µg/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	558	—	—	2.50E+01	µg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	676	—	—	2.50E+01	µg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	635	—	—	3.00E+01	µg/L	—	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	602	—	—	2.50E+01	µg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	709	—	—	2.50E+01	µg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	677	—	—	2.00E+00	µg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	717	—	—	2.00E+00	µg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	792	—	—	2.00E+00	µg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	684	—	—	2.00E+00	µg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	681	—	—	2.00E+00	µg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	804	—	—	2.00E+00	µg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.51	—	—	1.00E-01	µg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.88	—	—	1.00E-01	µg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	11.7	—	—	1.00E-01	µg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.83	—	—	1.00E-01	µg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.98	—	—	1.00E-01	µg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.8	—	—	1.00E-01	µg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.01	—	—	1.00E+00	µg/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	121	—	—	2.70E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	1.60E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	99.3	—	—	1.60E-01	mg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	µg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	µg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	µg/L	—	—	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	µg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	119	—	—	1.00E+00	µg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	µg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.75	—	—	1.00E+00	µg/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.67	—	—	1.00E+00	µg/L	J	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.6	—	—	1.00E+00	µg/L	J	J	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.21	—	—	1.00E+00	µg/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.89	—	—	1.00E+00	µg/L	J	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.8	—	—	1.00E+00	µg/L	J	J	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.75	—	—	2.00E+00	µg/L	J	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.6	—	—	2.00E+00	µg/L	J	J	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.19	—	—	3.30E+00	µg/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.65	—	—	2.00E+00	µg/L	J	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	2.00E+00	µg/L	—	—	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.000579	1.57E-03	3.90E-02	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00868	2.87E-03	6.40E-02	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000115	5.00E-04	2.60E-02	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00175	7.00E-04	3.60E-02	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00894	1.67E-03	5.60E-02	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.06	4.33E-01	3.70E+00	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.596	4.33E-01	4.50E+00	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.375	5.67E-01	5.40E+00	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.39	3.67E-01	4.00E+00	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.7	3.67E-01	4.20E+00	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.828	4.33E-01	4.50E+00	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.531	5.67E-01	5.70E+00	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.635	5.33E-01	5.50E+00	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.559	3.67E-01	3.80E+00	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.16	5.00E-01	5.10E+00	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.631	1.57E-01	1.60E+00	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.626	2.43E-01	2.50E+00	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.791	2.40E-01	2.50E+00	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	19	6.33E-01	2.40E+00	—	pCi/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	11	6.00E-01	3.80E+00	—	pCi/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	16.3	5.67E-01	3.00E+00	—	pCi/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	34.5	7.33E+00	4.70E+01	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	8.13	2.83E+00	1.50E+01	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	62.5	2.00E+01	9.50E+01	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	29.6	1.67E+01	7.80E+01	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	31	6.67E+00	6.30E+01	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.01	3.33E+00	3.00E+01	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.251	3.67E+00	3.50E+01	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.4	2.77E+00	2.70E+01	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.54	3.67E+00	3.60E+01	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.46	3.03E+00	3.00E+01	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00557	1.30E-03	4.40E-02	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	6.2E-10	2.47E-03	3.70E-02	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0217	4.67E-03	3.60E-02	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00608	4.00E-03	3.40E-02	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00249	1.43E-03	3.60E-02	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	3.20E-03	5.30E-02	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.013	2.60E-03	5.20E-02	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00241	2.40E-03	4.40E-02	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00128	3.00E-03	4.20E-02	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00747	2.50E-03	5.00E-02	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	34.1	6.33E+00	7.20E+01	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-12	6.00E+00	6.30E+01	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.1	7.00E+00	6.70E+01	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	11.7	6.67E+00	4.50E+01	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	57.3	6.33E+00	5.80E+01	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.285	3.67E-02	2.70E-01	—	pCi/L	—	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.122	3.67E-02	3.90E-01	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.429	5.33E-02	4.00E-01	—	pCi/L	—	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.563	8.67E-02	7.80E-01	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.65	1.20E-01	7.10E-01	—	pCi/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.607	8.00E-02	7.00E-01	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.93	4.00E-01	3.20E+00	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.214	4.67E-01	4.60E+00	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.56	4.33E-01	4.60E+00	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.337	4.33E-01	4.30E+00	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	4.00E-01	4.20E+00	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0135	3.23E-02	3.30E-01	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00925	4.33E-02	5.00E-01	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.185	4.33E-02	4.30E-01	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.208	4.67E-02	4.60E-01	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0104	4.67E-02	4.90E-01	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.8387	2.02E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10335	UMTL
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.10147	1.28E-01	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8410	UMTL
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	59.7091	6.39E-01	2.87E-01	—	pCi/L	—	—	09-1040	CASA-09-2857	UMTL
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0162	6.00E-03	1.50E-01	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.00198	3.67E-03	7.00E-02	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0301	3.03E-03	7.90E-02	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0395	4.00E-03	1.20E-01	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.3	1.00E-02	6.20E-02	—	pCi/L	—	—	09-969	CASA-09-2857	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00444	2.57E-03	6.70E-02	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00678	2.00E-03	3.30E-02	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00762	1.47E-03	3.80E-02	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.67E-03	5.30E-02	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0119	1.90E-03	2.90E-02	—	pCi/L	U	U	09-969	CASA-09-2857	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0	2.93E-03	7.20E-02	—	pCi/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.00732	2.87E-03	4.20E-02	—	pCi/L	U	U	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	-0.00206	2.47E-03	3.90E-02	—	pCi/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0171	3.33E-03	5.70E-02	—	pCi/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.174	6.67E-03	3.70E-02	—	pCi/L	—	—	09-969	CASA-09-2857	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	119	—	—	7.30E-01	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	144	—	—	7.30E-01	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91.4	—	—	7.30E-01	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.8	—	—	7.30E-01	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.423	—	—	6.60E-02	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.224	—	—	6.70E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.182	—	—	6.70E-02	mg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.437	—	—	6.70E-02	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22	—	—	5.00E-02	mg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.5	—	—	3.00E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.9	—	—	3.00E-02	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.2	—	—	3.00E-02	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	54.4	—	—	3.00E-02	mg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	3.00E-02	mg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	3.00E-02	mg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.2	—	—	3.00E-02	mg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	51.9	—	—	3.00E-02	mg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	61.8	—	—	6.60E-01	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	134	—	—	6.60E-01	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	41.3	—	—	3.30E-01	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	114	—	—	6.60E-01	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.568	—	—	3.30E-02	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.482	—	—	3.30E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.549	—	—	3.30E-02	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.411	—	—	3.30E-02	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.5	—	—	3.50E-01	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	99.7	—	—	3.50E-01	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.2	—	—	3.50E-01	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	191	—	—	4.30E-01	mg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.2	—	—	3.50E-01	mg/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	98.9	—	—	3.50E-01	mg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.3	—	—	3.50E-01	mg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	97.7	—	—	3.50E-01	mg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	183	—	—	4.30E-01	mg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.94	—	—	8.50E-02	mg/L	N*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.55	—	—	8.50E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.22	—	—	8.50E-02	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.88	—	—	8.50E-02	mg/L	N	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.3	—	—	8.50E-02	mg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.9	—	—	8.50E-02	mg/L	N*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.39	—	—	8.50E-02	mg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.95	—	—	8.50E-02	mg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.86	—	—	8.50E-02	mg/L	N	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.9	—	—	8.50E-02	mg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.0839	—	—	1.00E-02	mg/L	—	—	09-2783	CASA-09-10337	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.935	—	—	5.00E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.13	—	—	1.00E-02	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.93	—	—	5.00E-02	mg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.128	—	—	5.00E-02	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.645	—	—	5.00E-02	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.164	—	—	5.00E-02	µg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.32	—	—	5.00E-02	µg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.4	—	—	5.00E-02	mg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17	—	—	5.00E-02	mg/L	N	J+	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12	—	—	5.00E-02	mg/L	N	J+	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14	—	—	5.00E-02	mg/L	N	J+	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.9	—	—	5.00E-02	mg/L	*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	N	J+	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	N	J+	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.4	—	—	5.00E-02	mg/L	N	J+	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.7	—	—	5.00E-02	mg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	71.2	—	—	5.00E-01	mg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	124	—	—	4.50E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	46.1	—	—	4.50E-02	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	111	—	—	4.50E-02	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	157	—	—	4.50E-02	mg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.2	—	—	5.00E-01	mg/L	*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	122	—	—	4.50E-02	mg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	50.6	—	—	4.50E-02	mg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	110	—	—	4.50E-02	mg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	152	—	—	4.50E-02	mg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	492	—	—	1.00E+00	µS/cm	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	799	—	—	1.00E+00	µS/cm	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	384	—	—	1.00E+00	µS/cm	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	730	—	—	1.00E+00	µS/cm	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15	—	—	1.00E-01	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	21.1	—	—	1.00E-01	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.9	—	—	1.00E-01	mg/L	—	J-	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	21.2	—	—	1.00E-01	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	371	—	—	2.40E+00	mg/L	—	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	513	—	—	2.40E+00	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	295	—	—	2.40E+00	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	437	—	—	2.40E+00	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.088	—	—	3.30E-02	mg/L	J	J	09-2782	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.075	—	—	2.90E-02	mg/L	J	J	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.689	—	—	2.90E-02	mg/L	—	J-	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.446	—	—	2.90E-02	mg/L	—	J-	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.64	—	—	3.30E-01	mg/L	—	—	09-2782	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.69	—	—	3.30E-01	mg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.34	—	—	3.30E-01	mg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.2	—	—	1.70E+00	mg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.63	—	—	3.30E-01	mg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.69	—	—	1.50E-02	mg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.29	—	—	2.40E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.64	—	—	2.40E-01	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.61	—	—	2.40E-02	mg/L	—	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.52	—	—	1.00E-02	SU	H	J-	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.98	—	—	1.00E-02	SU	H	J-	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.38	—	—	1.00E-02	SU	H	J-	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.5	—	—	1.00E-02	SU	H	J-	08-1173	CASA-08-12832	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	142	—	—	6.80E+01	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	870	—	—	6.80E+01	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	107	—	—	6.80E+01	µg/L	J	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	184	—	—	6.80E+01	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	812	—	—	6.80E+01	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	5300	—	—	6.80E+01	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	14700	—	—	6.80E+01	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	515	—	—	6.80E+01	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.761	—	—	5.00E-01	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.69	—	—	5.00E-01	µg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.58	—	—	5.00E-01	µg/L	J	U	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.6	—	—	5.00E-01	µg/L	J	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.91	—	—	5.00E-01	µg/L	J	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	µg/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.67	—	—	1.50E+00	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.1	—	—	1.50E+00	µg/L	J	J	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.5	—	—	1.50E+00	µg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.8	—	—	1.50E+00	µg/L	J	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.7	—	—	1.50E+00	µg/L	J	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.62	—	—	1.50E+00	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.4	—	—	1.50E+00	µg/L	J	J	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4	—	—	1.50E+00	µg/L	J	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.3	—	—	1.50E+00	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.5	—	—	1.50E+00	µg/L	J	J	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.8	—	—	1.00E+00	µg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.1	—	—	1.00E+00	µg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	131	—	—	1.00E+00	µg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.4	—	—	1.00E+00	µg/L	*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.3	—	—	1.00E+00	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	53.9	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	172	—	—	1.00E+00	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	127	—	—	1.00E+00	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48	—	—	1.50E+01	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.2	—	—	1.00E+01	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.8	—	—	1.00E+01	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	62	—	—	1.00E+01	µg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41.3	—	—	1.00E+01	µg/L	J	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.1	—	—	1.50E+01	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	51.9	—	—	1.00E+01	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	51.3	—	—	1.00E+01	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	57.5	—	—	1.00E+01	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.2	—	—	1.00E+01	µg/L	J	J	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.48	—	—	2.50E+00	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	1.50E+00	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.5	—	—	1.50E+00	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.4	—	—	2.50E+00	µg/L	J	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	2.50E+00	µg/L	J	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.97	—	—	2.50E+00	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.3	—	—	1.50E+00	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	1.50E+00	µg/L	—	—	08-1642	CASA-08-14345	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	222	—	—	1.30E+01	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10	—	—	2.50E+00	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4	—	—	3.00E+00	µg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	120	—	—	3.00E+00	µg/L	N	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.34	—	—	3.00E+00	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.9	—	—	3.00E+00	µg/L	J	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	16.3	—	—	3.00E+00	µg/L	N	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	143	—	—	3.00E+01	µg/L	N*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	67.9	—	—	2.50E+01	µg/L	J	J	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	473	—	—	2.50E+01	µg/L	—	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	75.4	—	—	2.50E+01	µg/L	JN	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	161	—	—	3.00E+01	µg/L	N*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	575	—	—	2.50E+01	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3080	—	—	2.50E+01	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	9690	—	—	2.50E+01	µg/L	N	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	341	—	—	2.50E+01	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.1	—	—	5.00E-01	µg/L	J	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.938	—	—	5.00E-01	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.93	—	—	5.00E-01	µg/L	J	J	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.9	—	—	5.00E-01	µg/L	J	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	17	—	—	5.00E-01	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.59	—	—	5.00E-01	µg/L	J	J	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.55	—	—	2.00E+00	µg/L	JN*	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	µg/L	U	U	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.5	—	—	2.00E+00	µg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	39.9	—	—	2.00E+00	µg/L	N	J+	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	µg/L	J	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.9	—	—	2.00E+00	µg/L	N*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	22	—	—	2.00E+00	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	44.5	—	—	2.00E+00	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	335	—	—	2.00E+00	µg/L	N	J+	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	13.4	—	—	2.00E+00	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.51	—	—	1.00E-01	µg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.7	—	—	1.00E-01	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	13.1	—	—	1.00E-01	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	12.5	—	—	1.00E-01	µg/L	—	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	7.5	—	—	2.00E+00	µg/L	J	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	9.17	—	—	1.00E-01	µg/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	7	—	—	1.00E-01	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	12.3	—	—	1.00E-01	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	12.6	—	—	1.00E-01	µg/L	—	J	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	7.6	—	—	2.00E+00	µg/L	J	J	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	µg/L	J	J	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	µg/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.1	—	—	5.00E-01	µg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.92	—	—	5.00E-01	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-787	CASA-09-2749	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.9	—	—	5.00E-01	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	91	—	—	5.30E-02	mg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	91.7	—	—	3.20E-02	mg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.1	—	—	3.20E-02	mg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	3.20E-02	mg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	µg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	123	—	—	1.00E+00	µg/L	—	—	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	243	—	—	1.00E+00	µg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	µg/L	*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	µg/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	228	—	—	1.00E+00	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.478	—	—	5.00E-02	µg/L	—	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.24	—	—	5.00E-02	µg/L	—	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	J	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.512	—	—	5.00E-02	µg/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.4	—	—	5.00E-02	µg/L	—	J	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	µg/L	*	—	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.8	—	—	1.00E+00	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	19.1	—	—	1.00E+00	µg/L	—	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	9.3	—	—	1.00E+00	µg/L	—	U	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.6	—	—	1.00E+00	µg/L	J	J	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	µg/L	*	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.6	—	—	1.00E+00	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	22.7	—	—	1.00E+00	µg/L	—	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	25.5	—	—	1.00E+00	µg/L	—	J	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.4	—	—	1.00E+00	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.73	—	—	3.30E+00	µg/L	J	J	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	50.2	—	—	2.00E+00	µg/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	80.1	—	—	2.00E+00	µg/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/19/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	195	—	—	2.00E+00	µg/L	N	J-	08-1173	CASA-08-12832	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.7	—	—	2.00E+00	µg/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.19	—	—	3.30E+00	µg/L	J	J	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	38.3	—	—	2.00E+00	µg/L	—	—	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	77.8	—	—	2.00E+00	µg/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	66.2	—	—	2.00E+00	µg/L	N	J-	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.5	—	—	2.00E+00	µg/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00979	3.33E-03	2.90E-02	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00113	8.00E-04	3.50E-02	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00541	1.22E-03	2.23E-02	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00734	1.80E-03	2.60E-02	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00436	4.00E-03	3.70E-02	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0057	6.00E-03	5.50E-02	—	pCi/L	U	UJ	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00325	1.63E-03	3.60E-02	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00181	1.40E-03	2.07E-02	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.22	3.23E-01	3.00E+00	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0538	3.67E-01	3.70E+00	—	pCi/L	U	U	08-614	CASA-08-10652	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.267	3.73E-01	3.58E+00	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.125	4.67E-01	4.50E+00	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.474	2.67E-01	2.70E+00	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.15	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.76	5.00E-01	3.90E+00	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.62	4.37E-01	3.96E+00	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.241	3.33E-01	3.50E+00	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.82	4.33E-01	4.90E+00	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.814	3.83E-01	4.20E+00	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.09	4.00E-01	3.60E+00	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.4	2.87E-01	3.20E+00	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.438	3.67E-01	3.30E+00	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.23	4.00E-01	3.10E+00	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.127	3.67E-01	3.53E+00	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	—	4.55	4.67E-01	3.00E+00	—	pCi/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	8.59	4.87E-01	3.64E+00	—	pCi/L	—	J	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	14.1	6.33E-01	2.60E+00	—	pCi/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	9.81	5.20E-01	3.85E+00	—	pCi/L	—	J	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11.2	5.00E+00	2.80E+01	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	71.6	4.33E+01	2.40E+02	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	77.9	2.52E+01	3.39E+02	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	90.8	1.17E+01	1.00E+02	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18	4.33E+00	2.90E+01	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	108	2.10E+01	3.10E+02	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	99.1	2.27E+01	3.30E+02	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	64.5	3.40E+01	3.58E+02	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.4	2.93E+00	2.70E+01	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.52	3.67E+00	3.00E+01	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.15	3.08E+00	2.75E+01	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	33.2	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.14	1.93E+00	1.90E+01	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.81	2.73E+00	2.60E+01	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.3	4.33E+00	3.70E+01	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.84	3.02E+00	2.96E+01	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.83E-03	2.80E-02	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.37E-03	8.00E-02	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00819	1.68E-03	2.25E-02	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0133	3.13E-03	3.30E-02	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00468	1.10E-03	3.30E-02	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00587	2.17E-03	2.30E-02	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0172	2.20E-03	4.50E-02	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0189	2.54E-03	2.30E-02	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00199	1.17E-03	3.40E-02	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00414	1.37E-03	8.50E-02	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00409	1.37E-03	1.50E-02	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00222	1.97E-03	4.10E-02	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00701	1.73E-03	4.00E-02	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0176	2.37E-03	3.20E-02	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00738	1.83E-03	5.30E-02	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0021	1.57E-03	1.53E-02	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.406	4.67E+00	5.10E+01	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	16.5	8.67E+00	4.00E+01	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	29.5	7.90E+00	4.15E+01	—	pCi/L	U	U	180695	GF07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	37.8	5.67E+00	6.20E+01	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	49.7	4.67E+00	2.30E+01	—	pCi/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	72.9	6.67E+00	2.10E+01	—	pCi/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	50.2	6.67E+00	4.50E+01	—	pCi/L	UI	R	08-614	CASA-08-10654	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.1	5.53E+00	3.20E+01	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.199	3.03E-02	2.70E-01	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.456	5.00E-02	3.60E-01	—	pCi/L	—	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.454	5.00E-02	3.90E-01	—	pCi/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.19	1.10E-01	8.10E-01	—	pCi/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.658	6.67E-02	5.00E-01	—	pCi/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.476	6.33E-02	5.50E-01	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.567	3.67E-01	3.60E+00	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.118	3.67E-01	3.50E+00	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.2	3.53E-01	4.04E+00	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.178	4.00E-01	4.10E+00	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.37	3.00E-01	3.30E+00	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.92	3.33E-01	2.60E+00	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.48	4.67E-01	4.30E+00	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.18	3.73E-01	3.32E+00	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0954	4.33E-02	4.30E-01	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00879	3.67E-02	4.30E-01	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.243	3.47E-02	3.38E-01	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	4.67E-02	5.20E-01	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0491	3.67E-02	3.70E-01	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.11	3.23E-02	3.30E-01	—	pCi/L	U	U	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0644	4.33E-02	4.70E-01	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0835	3.50E-02	3.49E-01	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	25.99102	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10338	UMTL
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	28.57735	1.51E+00	3.45E+00	—	pCi/L	—	—	08-1644	CASA-08-14345	ARSL
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	22.351	2.45E-01	2.87E-01	—	pCi/L	—	—	08-1177	CASA-08-12831	UMTL
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	12.42077	1.52E+00	4.06E+00	—	pCi/L	—	—	08-613	CASA-08-10654	ARSL
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	38.316	4.26E-01	2.87E-01	—	pCi/L	—	—	2313	UU07020G2ACS01	UMTL
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.119	9.33E-03	1.40E-01	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.439	1.37E-02	7.50E-02	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.169	7.10E-03	3.82E-02	—	pCi/L	—	—	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.145	6.33E-03	6.00E-02	—	pCi/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.113	9.33E-03	1.50E-01	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	2.5	5.33E-02	7.50E-02	—	pCi/L	—	J	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.464	1.37E-02	6.80E-02	—	pCi/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.187	7.40E-03	3.89E-02	—	pCi/L	—	—	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0152	2.93E-03	8.00E-02	—	pCi/L	U	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00779	2.60E-03	3.70E-02	—	pCi/L	U	U	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0156	2.47E-03	3.89E-02	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0116	1.60E-03	2.90E-02	—	pCi/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0108	3.10E-03	8.50E-02	—	pCi/L	U	U	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.121	6.33E-03	3.90E-02	—	pCi/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	2.53E-03	3.40E-02	—	pCi/L	U	U	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00679	2.72E-03	3.96E-02	—	pCi/L	U	U	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.086	6.67E-03	7.40E-02	—	pCi/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	02/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.382	1.23E-02	4.40E-02	—	pCi/L	—	—	08-614	CASA-08-10652	GELC
SCA-2	7991	10.3	02/13/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.117	5.43E-03	2.70E-02	—	pCi/L	—	—	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	5.00E-03	3.00E-02	—	pCi/L	—	—	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.109	9.67E-03	7.80E-02	—	pCi/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	2.24	5.00E-02	4.50E-02	—	pCi/L	—	—	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	02/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.334	1.07E-02	4.00E-02	—	pCi/L	—	—	08-614	CASA-08-10654	GELC
SCA-2	7991	10.3	02/13/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.156	6.63E-03	2.75E-02	—	pCi/L	—	—	180695	GU07020G2ACS01	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	EQB	Voa	SW-846:8260B	Chloroform	—	1.06	—	—	2.50E-01	µg/L	—	—	09-2782	CASA-09-10341	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.409	—	—	2.50E-01	µg/L	J	J	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	µg/L	U	U	08-1641	CASA-08-14345	GELC
SCA-2	7991	10.3	05/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.26	—	—	2.50E-01	µg/L	J	J	08-1173	CASA-08-12831	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	FTB	Voa	SW-846:8260B	Chloromethane	—	0.396	—	—	3.00E-01	µg/L	J	J	09-2782	CASA-09-10340	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	0.465	—	—	3.00E-01	µg/L	J	U	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1641	CASA-08-14345	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.6	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	108	—	—	7.30E-01	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	103	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.5	—	—	7.30E-01	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.24	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.526	—	—	6.60E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.311	—	—	6.70E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.244	—	—	6.70E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	3.00E-02	mg/L	N	J+	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	3.00E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.2	—	—	3.00E-02	mg/L	N	J+	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	3.00E-02	mg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.3	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	76.4	—	—	6.60E-01	mg/L	—	J+	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	96.1	—	—	6.60E-01	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	123	—	—	6.60E-01	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.889	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.942	—	—	3.30E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.753	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.646	—	—	3.30E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.8	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	3.50E-01	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.2	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.9	—	—	3.50E-01	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E-01	mg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.3	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.2	—	—	3.50E-01	mg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.86	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	8.50E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.93	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.72	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.42	—	—	5.00E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.51	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	5.00E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.264	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.353	—	—	5.00E-02	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.44	—	—	5.00E-02	µg/L	—	J+	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.437	—	—	5.00E-02	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.3	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.35	—	—	5.00E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.62	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3	—	—	5.00E-02	mg/L	N	J	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.22	—	—	5.00E-02	mg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-845	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.4	—	—	5.00E-02	mg/L	N	J	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	88.1	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	90	—	—	4.50E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	103	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	94.4	—	—	4.50E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	79	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.3	—	—	4.50E-02	mg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	99.8	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	103	—	—	4.50E-02	mg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	423	—	—	1.00E+00	µS/cm	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	533	—	—	1.00E+00	µS/cm	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	613	—	—	1.00E+00	µS/cm	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	661	—	—	1.00E+00	µS/cm	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.2	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.7	—	—	1.00E-01	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.8	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16.2	—	—	1.00E-01	mg/L	—	J-	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	297	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	336	—	—	2.40E+00	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	362	—	—	2.40E+00	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	400	—	—	2.40E+00	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.095	—	—	3.30E-02	mg/L	J	J	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-204	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	05/12/08	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.109	—	—	2.90E-02	mg/L	—	J+	08-1127	CASA-08-12837	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.76	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.766	—	—	3.30E-01	mg/L	J	J	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.99	—	—	3.30E-01	mg/L	—	—	09-204	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.58	—	—	3.30E-01	mg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	05/12/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	2.15	—	—	3.30E-01	mg/L	—	U	08-1127	CASA-08-12837	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.72	—	—	7.50E-02	mg/L	—	J-	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.38	—	—	1.50E-02	mg/L	—	J-	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.63	—	—	1.20E-01	mg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.52	—	—	2.40E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.17	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.13	—	—	1.00E-02	SU	H	J-	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.14	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.98	—	—	1.00E-02	SU	H	J-	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	300	—	—	6.80E+01	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	69	—	—	6.80E+01	µg/L	J	J	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	98.4	—	—	6.80E+01	µg/L	J	J	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	429	—	—	6.80E+01	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	244	—	—	6.80E+01	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	224	—	—	6.80E+01	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	605	—	—	6.80E+01	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	7.95	—	—	1.50E+00	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	10.1	—	—	1.50E+00	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	6.6	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.9	—	—	1.50E+00	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	8.01	—	—	1.50E+00	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	9.75	—	—	1.50E+00	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.5	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.6	—	—	1.50E+00	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.4	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	86	—	—	1.00E+00	µg/L	—	—	09-1636	CASA-09-8263	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	94.4	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	87.7	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.1	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	91.1	—	—	1.00E+00	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	95.3	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	97.7	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57.8	—	—	1.50E+01	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	52.7	—	—	1.00E+01	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	68.4	—	—	1.00E+01	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	56.2	—	—	1.00E+01	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	57.4	—	—	1.50E+01	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	52.1	—	—	1.00E+01	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	64.1	—	—	1.00E+01	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	60.5	—	—	1.00E+01	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.7	—	—	2.50E+00	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.94	—	—	1.50E+00	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	1.50E+00	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.6	—	—	2.50E+00	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	42.6	—	—	1.50E+00	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	24	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.6	—	—	1.50E+00	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	146	—	—	3.00E+01	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	25.5	—	—	2.50E+01	µg/L	J	J	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	43.3	—	—	2.50E+01	µg/L	J	J	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	52.5	—	—	2.50E+01	µg/L	J	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	215	—	—	3.00E+01	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	295	—	—	2.50E+01	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	169	—	—	2.50E+01	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	357	—	—	2.50E+01	µg/L	—	J	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.68	—	—	2.00E+00	µg/L	J	J	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.75	—	—	2.00E+00	µg/L	J	J	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.5	—	—	2.00E+00	µg/L	J	J	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2	—	—	2.00E+00	µg/L	J	J	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.05	—	—	2.00E+00	µg/L	J	J	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.15	—	—	2.00E+00	µg/L	J	J	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.7	—	—	2.00E+00	µg/L	J	J	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.3	—	—	2.00E+00	µg/L	J	J	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	32.9	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	35.1	—	—	1.00E-01	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	33.2	—	—	1.00E-01	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	14.5	—	—	1.00E-01	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	31.6	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	36.5	—	—	1.00E-01	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	33.5	—	—	1.00E-01	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	16.2	—	—	1.00E-01	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.84	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.27	—	—	5.00E-01	µg/L	J	J	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.3	—	—	5.00E-01	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	µg/L	J	J	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.8	—	—	5.00E-01	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.3	—	—	5.00E-01	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.4	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.4	—	—	3.20E-02	mg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	3.20E-02	mg/L	—	—	09-205	CASA-09-847	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64	—	—	3.20E-02	mg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.1	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	97.7	—	—	1.00E+00	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	120	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.2	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	94.1	—	—	1.00E+00	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	126	—	—	1.00E+00	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.239	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.414	—	—	5.00E-02	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.35	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.19	—	—	5.00E-02	µg/L	J	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.286	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	5.00E-02	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.36	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.21	—	—	5.00E-02	µg/L	—	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.76	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.21	—	—	1.00E+00	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.7	—	—	1.00E+00	µg/L	—	J	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.71	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.4	—	—	1.00E+00	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.3	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	µg/L	—	J	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	20.1	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	33	—	—	2.00E+00	µg/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	11/03/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	18.2	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-847	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	198	—	—	2.00E+00	µg/L	—	—	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18.5	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10344	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36.8	—	—	2.00E+00	µg/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.8	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-845	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	214	—	—	2.00E+00	µg/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00652	3.03E-03	3.00E-02	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00715	1.33E-03	3.40E-02	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.000604	7.33E-04	3.40E-02	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00544	1.37E-03	3.54E-02	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00455	8.67E-04	2.50E-02	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000529	1.30E-03	2.90E-02	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00286	1.23E-03	3.40E-02	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00147	1.17E-03	4.30E-02	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.69	3.33E-01	3.80E+00	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.33	3.67E-01	3.10E+00	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.14	5.33E-01	4.00E+00	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2	5.60E-01	4.99E+00	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.95	5.67E-01	5.20E+00	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.08	2.90E-01	3.00E+00	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.521	3.03E-01	2.80E+00	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.669	4.33E-01	4.40E+00	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.915	3.67E-01	3.80E+00	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.924	4.00E-01	3.40E+00	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.452	4.33E-01	3.50E+00	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.47	5.03E-01	5.24E+00	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.56	6.00E-01	6.10E+00	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.4	4.33E-01	3.50E+00	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.02	3.33E-01	3.30E+00	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.228	4.33E-01	4.10E+00	—	pCi/L	U	U	08-166	CASA-08-7354	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.175	2.57E-01	3.00E+00	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:900	Gross beta	—	5.6	5.23E-01	4.41E+00	—	pCi/L	—	J	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.25	1.73E-01	1.30E+00	—	pCi/L	—	—	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	32.2	6.33E+00	4.80E+01	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	80.6	3.67E+01	2.40E+02	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	100	2.10E+01	2.80E+02	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	91	3.70E+01	2.91E+02	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	182	2.33E+01	1.50E+02	—	pCi/L	—	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.8	5.00E+00	2.50E+01	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	39.3	1.00E+01	2.40E+02	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	113	5.00E+01	3.20E+02	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.11	2.47E+00	2.40E+01	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.86	3.13E+00	2.60E+01	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.7	3.67E+00	3.60E+01	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.59	2.19E+00	2.09E+01	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18	5.33E+00	2.90E+01	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.96	2.33E+00	2.30E+01	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.98	3.33E+00	3.30E+01	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.41	3.33E+00	3.40E+01	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.005	9.67E-04	2.30E-02	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0134	1.70E-03	3.50E-02	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.07E-03	3.40E-02	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0119	2.64E-03	3.40E-02	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0181	3.03E-03	3.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00677	1.13E-03	2.40E-02	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0128	2.20E-03	3.40E-02	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0248	3.67E-03	3.10E-02	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00334	8.00E-04	2.80E-02	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00383	1.27E-03	4.10E-02	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0117	1.60E-03	3.20E-02	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00715	4.57E-03	4.01E-02	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0136	2.40E-03	4.10E-02	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00507	9.67E-04	2.90E-02	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00914	1.63E-03	3.90E-02	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00177	1.97E-03	2.90E-02	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.67	4.67E+00	4.00E+01	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	17.3	5.67E+00	3.50E+01	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	3.57	5.33E+00	5.40E+01	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19.4	4.97E+00	5.45E+01	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.3	6.67E+00	6.00E+01	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.3	4.33E+00	3.20E+01	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.2	3.33E+00	2.80E+01	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.1	6.00E+00	5.70E+01	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.331	5.00E-02	4.10E-01	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0915	4.33E-02	4.90E-01	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.457	4.33E-02	3.00E-01	—	pCi/L	—	—	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	1.42	7.67E-02	3.30E-01	—	pCi/L	—	—	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.81	2.00E-01	1.30E+00	—	pCi/L	—	—	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.587	6.00E-02	4.60E-01	—	pCi/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.392	6.00E-02	5.30E-01	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	3.22	1.73E-01	5.40E-01	—	pCi/L	—	—	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.27	3.33E-01	3.00E+00	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.583	3.07E-01	2.80E+00	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.91	4.33E-01	4.70E+00	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.64	4.87E-01	5.09E+00	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2	6.00E-01	5.30E+00	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.74	3.67E-01	3.90E+00	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.546	3.33E-01	3.50E+00	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.54	6.00E-01	4.40E+00	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.105	2.13E-02	2.20E-01	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.068	4.67E-02	4.90E-01	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.137	4.00E-02	4.80E-01	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0612	4.13E-02	4.59E-01	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.248	4.67E-02	4.70E-01	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.131	2.97E-02	3.10E-01	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.147	4.67E-02	4.90E-01	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.125	4.67E-02	4.90E-01	—	pCi/L	U	U	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	80.7829	8.51E-01	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10344	UMTL
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	25.06505	1.36E+00	3.80E+00	—	pCi/L	—	—	08-1644	CASA-08-14350	ARSL
SCA-4	8011	37	05/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	34.8037	4.26E-01	2.87E-01	—	pCi/L	—	—	08-1134	CASA-08-12837	UMTL
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	26.21453	2.76E+00	3.80E+00	—	pCi/L	—	—	08-613	CASA-08-10658	ARSL
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	LLEE	Tritium	—	56.1968	6.39E-01	2.87E-01	—	pCi/L	—	—	08-165	CASA-08-7354	UMTL
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0501	6.67E-03	1.50E-01	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0954	5.00E-03	6.50E-02	—	pCi/L	—	—	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.17	7.33E-03	6.40E-02	—	pCi/L	—	—	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.223	1.06E-02	6.67E-02	—	pCi/L	—	—	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0878	5.00E-03	7.40E-02	—	pCi/L	—	—	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0776	7.33E-03	1.40E-01	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.138	6.33E-03	6.90E-02	—	pCi/L	—	—	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	3.8	8.67E-02	1.20E-01	—	pCi/L	—	—	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00516	5.33E-03	8.20E-02	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0159	2.03E-03	3.20E-02	—	pCi/L	U	U	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0109	1.83E-03	3.80E-02	—	pCi/L	U	U	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0127	3.17E-03	7.72E-02	—	pCi/L	U	U	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00717	1.60E-03	3.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0144	2.80E-03	7.60E-02	—	pCi/L	U	U	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0024	1.80E-03	3.40E-02	—	pCi/L	U	U	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.204	1.10E-02	6.10E-02	—	pCi/L	—	—	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/11/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0668	7.00E-03	7.50E-02	—	pCi/L	U	U	08-1642	CASA-08-14349	GELC
SCA-4	8011	37	02/12/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.114	5.33E-03	3.80E-02	—	pCi/L	—	—	08-614	CASA-08-10659	GELC
SCA-4	8011	37	11/12/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0885	5.67E-03	4.30E-02	—	pCi/L	—	—	08-166	CASA-08-7356	GELC
SCA-4	8011	37	06/18/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.127	7.93E-03	8.32E-02	—	pCi/L	—	J	188200	GF07060G4ACS01	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0813	4.67E-03	3.70E-02	—	pCi/L	—	—	09-2800	CASA-09-10344	GELC
SCA-4	8011	37	08/11/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.109	8.00E-03	7.00E-02	—	pCi/L	—	—	08-1642	CASA-08-14350	GELC
SCA-4	8011	37	02/12/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.109	5.33E-03	4.10E-02	—	pCi/L	—	—	08-614	CASA-08-10658	GELC
SCA-4	8011	37	11/12/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	3.89	9.00E-02	7.30E-02	—	pCi/L	—	—	08-166	CASA-08-7354	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	EQB	Voa	SW-846:8260B	Chloroform	—	0.406	—	—	2.50E-01	µg/L	J	J	09-2798	CASA-09-10346	GELC
SCA-4	8011	37	04/28/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.366	—	—	2.50E-01	µg/L	J	J	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	11/03/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.346	—	—	2.50E-01	µg/L	J	J	09-204	CASA-09-845	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.7	—	—	1.50E+00	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86	—	—	7.25E-01	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.5	—	—	7.25E-01	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.291	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.179	—	—	6.60E-02	mg/L	J	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:300.0	Bromide	—	0.181	—	—	6.60E-02	mg/L	J	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	3.60E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	3.60E-02	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.5	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.7	—	—	1.32E-01	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	25.2	—	—	1.32E-01	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.831	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.555	—	—	3.30E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.55	—	—	3.30E-02	mg/L	—	—	173983	GU06100G5ACS01	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	95.4	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71	—	—	8.50E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.2	—	—	8.50E-02	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.53	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.72	—	—	8.50E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.56	—	—	8.50E-02	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.466	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.378	—	—	5.00E-02	µg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.48	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.64	—	—	5.00E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.75	—	—	5.00E-02	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	74.1	—	—	3.20E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	105	—	—	1.60E-01	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	42.6	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	35.8	—	—	4.50E-02	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	35.2	—	—	4.50E-02	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	359	—	—	1.00E+00	µS/cm	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	283	—	—	1.00E+00	µS/cm	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	291	—	—	1.00E+00	µS/cm	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.5	—	—	1.00E-01	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	14.6	—	—	1.00E-01	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	254	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	221	—	—	2.38E+00	mg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	298	—	—	2.38E+00	mg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.81	—	—	1.00E-02	SU	H	J	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Geninorg	EPA:150.1	pH	—	6.88	—	—	1.00E-02	SU	H	J	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	95.1	—	—	6.80E+01	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	399	—	—	6.80E+01	µg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	11700	—	—	6.80E+01	µg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.9	—	—	1.50E+00	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	µg/L	U	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Arsenic	<	6	—	—	6.00E+00	µg/L	U	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	71.4	—	—	1.00E+00	µg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	119	—	—	1.00E+00	µg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.4	—	—	1.50E+01	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	47.2	—	—	1.00E+01	µg/L	J	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	47.7	—	—	1.00E+01	µg/L	J	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.2	—	—	1.00E+00	µg/L	—	J+	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	1.00E+00	µg/L	—	J+	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	52.5	—	—	3.00E+01	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	158	—	—	1.80E+01	µg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	4780	—	—	1.80E+01	µg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.79	—	—	1.00E-01	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Molybdenum	<	2.4	—	—	2.00E+00	µg/L	J	U	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Molybdenum	<	2	—	—	2.00E+00	µg/L	U	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4	—	—	5.00E-01	µg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.9	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	167	—	—	1.00E+00	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	123	—	—	1.00E+00	µg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	1.00E+00	µg/L	—	—	173983	GU06100G5ACS01	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.449	—	—	3.00E-01	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.99	—	—	4.00E-01	µg/L	J	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.4	—	—	4.00E-01	µg/L	U	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.09	—	—	5.00E-02	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.38	—	—	5.00E-02	µg/L	—	—	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	µg/L	—	—	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.87	—	—	1.00E+00	µg/L	J	J	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	7.2	—	—	1.00E+00	µg/L	—	U, J+	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	µg/L	—	J+	173983	GU06100G5ACS01	GELC
SCA-5	8021	55	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	144	—	—	3.30E+00	µg/L	—	—	09-2799	CASA-09-10326	GELC
SCA-5	8021	55	10/11/06	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	7.2	—	—	2.00E+00	µg/L	J	U	173983	GF06100G5ACS01	GELC
SCA-5	8021	55	10/11/06	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.8	—	—	2.00E+00	µg/L	—	—	173983	GU06100G5ACS01	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	98.6	—	—	7.30E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.7	—	—	7.30E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96	—	—	7.30E-01	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	104	—	—	7.30E-01	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.06	—	—	6.60E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.18	—	—	6.60E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.27	—	—	6.70E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.17	—	—	6.70E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.25	—	—	6.70E-02	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.4	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	76.6	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	76.1	—	—	3.00E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	75.1	—	—	3.00E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	<	80	—	—	3.00E-02	mg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Geninorg	SW-846:6010B	Calcium	—	81.5	—	—	3.00E-02	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.1	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	80.5	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	78.4	—	—	3.00E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	72.7	—	—	3.00E-02	mg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	<	17.6	—	—	3.00E-02	mg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Geninorg	SW-846:6010B	Calcium	—	80.5	—	—	3.00E-02	mg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	82	—	—	6.60E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.3	—	—	6.60E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	86.8	—	—	6.60E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	87.4	—	—	6.60E-01	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	92.2	—	—	6.60E-01	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00234	—	—	1.70E-03	mg/L	J	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00452	—	—	1.50E-03	mg/L	J	J	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00212	—	—	1.50E-03	mg/L	J	J	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/22/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	192311	GU070800SCI101	GELC
SCI-1	8211	358.4	06/15/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.00707	—	—	1.50E-03	mg/L	—	U	188134	GU070600SCI101	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.157	—	—	3.30E-02	mg/L	—	J-	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.225	—	—	3.30E-02	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	3.50E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	3.50E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	232	—	—	3.50E-01	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	<	249	—	—	3.50E-01	mg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Geninorg	SM:A2340B	Hardness	—	254	—	—	3.50E-01	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	248	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8266	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	245	—	—	3.50E-01	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	226	—	—	3.50E-01	mg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	<	61.5	—	—	3.50E-01	mg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Geninorg	SM:A2340B	Hardness	—	251	—	—	3.50E-01	mg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.7	—	—	8.50E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.9	—	—	8.50E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	<	12	—	—	8.50E-02	mg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Geninorg	SW-846:6010B	Magnesium	—	12.3	—	—	8.50E-02	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	8.50E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.5	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	8.50E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	<	4.26	—	—	8.50E-02	mg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	8.50E-02	mg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.247	—	—	5.00E-02	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.29	—	—	1.00E-01	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.37	—	—	1.00E-01	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.24	—	—	5.00E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.75	—	—	1.00E-01	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.969	—	—	5.00E-02	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.05	—	—	1.00E-01	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.17	—	—	1.00E-01	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.17	—	—	1.00E-01	µg/L	—	J+	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.27	—	—	1.00E-01	µg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	<	1.63	—	—	5.00E-02	mg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.6	—	—	5.00E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.4	—	—	5.00E-02	mg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	<	2.41	—	—	5.00E-02	mg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.2	—	—	1.00E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	50.7	—	—	4.50E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	58.2	—	—	4.50E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	<	52.9	—	—	4.50E-02	mg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Geninorg	SW-846:6010B	Sodium	—	55.3	—	—	4.50E-02	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.6	—	—	1.00E-01	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	56.4	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.8	—	—	4.50E-02	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.3	—	—	4.50E-02	mg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	<	9.97	—	—	4.50E-02	mg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Geninorg	SW-846:6010B	Sodium	—	57.1	—	—	4.50E-02	mg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	703	—	—	1.00E+00	µS/cm	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	700	—	—	1.00E+00	µS/cm	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	717	—	—	1.00E+00	µS/cm	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	737	—	—	1.00E+00	µS/cm	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	753	—	—	1.00E+00	µS/cm	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	100	—	—	1.00E+00	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	103	—	—	1.00E+00	mg/L	—	—	09-1772	CASA-09-8267	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	106	—	—	1.00E+00	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	106	—	—	1.00E+00	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	107	—	—	1.00E+00	mg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	485	—	—	2.40E+00	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	497	—	—	2.40E+00	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	475	—	—	2.40E+00	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	483	—	—	2.40E+00	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	512	—	—	2.40E+00	mg/L	—	—	08-1720	CASA-08-14367	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	05/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.76	—	—	3.30E-01	mg/L	—	—	09-1771	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.22	—	—	3.30E-01	mg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2	—	—	3.30E-01	mg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.17	—	—	3.30E-01	mg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.01	—	—	1.50E-02	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.717	—	—	1.50E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.414	—	—	2.40E-02	mg/L	—	J	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.905	—	—	2.40E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.504	—	—	2.40E-02	mg/L	—	J	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	1.00E-02	SU	H	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	1.00E-02	SU	H	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.42	—	—	1.00E-02	SU	H	J	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.39	—	—	1.00E-02	SU	H	J	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.04	—	—	1.50E+00	µg/L	J	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.58	—	—	1.50E+00	µg/L	J	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36	—	—	1.00E+00	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.4	—	—	1.00E+00	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	<	43	—	—	1.00E+00	µg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Metals	SW-846:6010B	Barium	—	45.9	—	—	1.00E+00	µg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	µg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.2	—	—	1.00E+00	µg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	<	13	—	—	1.00E+00	µg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Metals	SW-846:6010B	Barium	—	40.9	—	—	1.00E+00	µg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	79.8	—	—	1.50E+01	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	93.1	—	—	1.00E+01	µg/L	—	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	94.7	—	—	1.00E+01	µg/L	—	U	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	88.5	—	—	1.00E+01	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	82.5	—	—	1.00E+01	µg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Metals	SW-846:6010B	Boron	—	97.1	—	—	1.00E+01	µg/L	—	J	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.5	—	—	1.50E+01	µg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	97	—	—	1.00E+01	µg/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	99.7	—	—	1.00E+01	µg/L	—	U	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	84.1	—	—	1.00E+01	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	16.6	—	—	1.00E+01	µg/L	J	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Metals	SW-846:6010B	Boron	—	101	—	—	1.00E+01	µg/L	—	J	08-1720	CASA-08-14366	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	1.50E+00	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	1.50E+00	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11	—	—	7.50E+00	µg/L	J	J	09-1773	CASA-09-9291	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	1.50E+00	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	1.50E+00	µg/L	—	—	09-302	CASA-09-900	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.7	—	—	1.50E+00	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	1.50E+00	µg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.8	—	—	2.50E+00	µg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.4	—	—	1.50E+00	µg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.7	—	—	1.50E+00	µg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.2	—	—	1.50E+00	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17	—	—	1.50E+00	µg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	91.1	—	—	1.00E-01	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	77.7	—	—	1.00E-01	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	69.8	—	—	1.00E-01	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	72	—	—	1.00E-01	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	62.9	—	—	1.00E-01	µg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	94.2	—	—	1.00E-01	µg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	76.8	—	—	1.00E-01	µg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	69.2	—	—	1.00E-01	µg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	75	—	—	1.00E-01	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	70.2	—	—	1.00E-01	µg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.41	—	—	5.00E-01	µg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.86	—	—	5.00E-01	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.7	—	—	5.00E-01	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.3	—	—	5.00E-01	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.8	—	—	5.00E-01	µg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.36	—	—	5.00E-01	µg/L	—	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.98	—	—	5.00E-01	µg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.4	—	—	5.00E-01	µg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.5	—	—	5.00E-01	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.7	—	—	5.00E-01	µg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.8	—	—	5.30E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.8	—	—	3.20E-02	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63	—	—	3.20E-02	mg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.3	—	—	3.20E-02	mg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	<	65.7	—	—	3.20E-02	mg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Metals	SW-846:6010B	Silicon Dioxide	<	67.5	—	—	3.20E-02	mg/L	—	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Metals	SW-846:6010B	Silicon Dioxide	<	68.2	—	—	3.20E-02	mg/L	—	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	307	—	—	1.00E+00	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	335	—	—	1.00E+00	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	<	343	—	—	1.00E+00	µg/L	—	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Metals	SW-846:6010B	Strontium	—	368	—	—	1.00E+00	µg/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	299	—	—	1.00E+00	µg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	332	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	332	—	—	1.00E+00	µg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	<	69	—	—	1.00E+00	µg/L	—	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Metals	SW-846:6010B	Strontium	—	362	—	—	1.00E+00	µg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.16	—	—	5.00E-02	µg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	3.05	—	—	5.00E-02	µg/L	—	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	µg/L	—	—	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	5.00E-02	µg/L	—	—	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.3	—	—	5.00E-02	µg/L	—	—	08-1720	CASA-08-14367	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.33	—	—	5.00E-02	µg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.05	—	—	5.00E-02	µg/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.8	—	—	5.00E-02	µg/L	—	—	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2	—	—	5.00E-02	µg/L	—	—	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.6	—	—	5.00E-02	µg/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00E+00	µg/L	J	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.71	—	—	1.00E+00	µg/L	J	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	02/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.5	—	—	1.00E+00	µg/L	J	U	09-921	CASA-09-2780	GELC
SCI-1	8211	358.4	11/13/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.7	—	—	1.00E+00	µg/L	J	J	09-302	CASA-09-872	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.1	—	—	1.00E+00	µg/L	J	R	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/19/08	WG	F	RE	—	Metals	SW-846:6010B	Vanadium	—	1.4	—	—	1.00E+00	µg/L	J	J	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.52	—	—	1.00E+00	µg/L	J	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.12	—	—	1.00E+00	µg/L	J	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	µg/L	J	U	09-921	CASA-09-2779	GELC
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.7	—	—	1.00E+00	µg/L	J	J	09-302	CASA-09-873	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.9	—	—	1.00E+00	µg/L	J	R	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	RE	—	Metals	SW-846:6010B	Vanadium	—	1.5	—	—	1.00E+00	µg/L	J	J	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00297	9.00E-04	2.60E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0144	2.93E-03	3.50E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00311	9.67E-04	3.50E-02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.0131	2.70E-03	2.90E-02	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00706	1.27E-03	3.40E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00279	7.67E-04	2.70E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00679	1.07E-03	3.30E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000356	1.47E-03	3.90E-02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.888	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.19	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	1.32	5.00E-01	4.50E+00	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.543	4.33E-01	3.90E+00	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.615	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.905	4.67E-01	4.70E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.723	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0295	4.00E-01	4.00E+00	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.709	4.33E-01	4.00E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.535	3.67E-01	3.20E+00	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00248	4.67E-01	4.60E+00	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.839	4.00E-01	3.50E+00	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.986	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.83	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.41	4.67E-01	4.20E+00	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.08	3.33E-01	3.00E+00	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	3.89	4.67E-01	3.10E+00	—	pCi/L	—	U	09-2757	CASA-09-10350	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	GF070800SCI1101	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	GF070600SCI1101	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	GF070400SCI1101	GELC
SCI-1	8211	358.4	01/11/07	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.3	2.68E-01	2.56E+00	—	pCi/L	U	U	179348	GF070100SCI1101	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	GU070800SCI1101	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	GU070600SCI1101	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	GU070400SCI1101	GELC
SCI-1	8211	358.4	01/11/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.81	2.53E-01	2.34E+00	—	pCi/L	—	J	179348	GU070100SCI1101	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	12.1	1.13E+01	3.60E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	111	3.33E+01	3.30E+02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	52	1.27E+01	1.80E+02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	65.3	2.07E+01	2.20E+02	—	pCi/L	U	U	08-203	CASA-08-7412	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	84.1	2.10E+01	2.30E+02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	102	2.27E+01	2.60E+02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.37	2.17E+00	2.00E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.65	3.67E+00	3.30E+01	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.54	3.33E+00	3.30E+01	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-32.8	3.67E+00	2.60E+01	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.1	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.85	3.10E+00	3.20E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.26	3.33E+00	3.40E+01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.407	3.03E+00	2.70E+01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00179	2.60E-03	2.50E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0055	2.37E-03	2.20E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00142	1.70E-03	2.70E-02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00198	9.33E-04	3.50E-02	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0212	2.83E-03	2.90E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0054	2.33E-03	2.50E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00652	1.90E-03	1.90E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00886	1.70E-03	2.90E-02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00358	1.70E-03	3.10E-02	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00916	2.03E-03	3.00E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00142	1.07E-03	2.90E-02	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00198	1.13E-03	3.30E-02	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00193	1.70E-03	3.50E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0036	1.20E-03	3.10E-02	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00652	1.53E-03	2.60E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00295	1.00E-03	3.00E-02	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	9.84	4.67E+00	4.70E+01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	2.85	9.00E+00	4.50E+01	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	5.33	6.33E+00	5.50E+01	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7.91	7.00E+00	6.90E+01	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	27.1	4.67E+00	5.20E+01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.88	6.00E+00	6.10E+01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7	5.67E+00	5.50E+01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.2	6.00E+00	5.00E+01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.348	3.67E-02	2.80E-01	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.142	4.00E-02	4.40E-01	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	5.33E-02	4.40E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.341	7.00E-02	6.90E-01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.592	7.67E-02	6.30E-01	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	2.3	1.33E-01	5.30E-01	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.413	5.67E-02	5.20E-01	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.231	4.67E-02	4.50E-01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.847	4.00E-01	3.50E+00	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.262	5.00E-01	4.90E+00	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.647	5.00E-01	4.30E+00	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.59	4.33E-01	3.10E+00	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.56	4.00E-01	4.30E+00	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.67	4.67E-01	5.20E+00	—	pCi/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.637	4.33E-01	4.20E+00	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.21	6.00E-01	4.70E+00	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.192	3.03E-02	2.80E-01	—	pCi/L	U	U	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.122	2.00E-02	2.90E-01	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00125	1.47E-02	1.50E-01	—	pCi/L	U	U	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.291	5.00E-02	4.70E-01	—	pCi/L	U	U	08-203	CASA-08-7412	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0571	1.90E-02	2.00E-01	—	pCi/L	U	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	87.8075	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10350	UMTL
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	93.8742	1.06E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8266	UMTL
SCI-1	8211	358.4	02/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	101.2181	1.06E+00	2.87E-01	—	pCi/L	—	—	09-919	CASA-09-2779	UMTL
SCI-1	8211	358.4	11/13/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	105.0497	1.17E+00	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-873	UMTL
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	66.89335	3.40E+00	3.42E+00	—	pCi/L	—	U	08-1739	CASA-08-14366	ARSL
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.56	3.33E-02	6.00E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.143	6.33E-03	6.90E-02	—	pCi/L	—	—	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.58	3.33E-02	5.70E-02	—	pCi/L	—	—	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	1.51	3.33E-02	6.20E-02	—	pCi/L	—	—	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.28	3.33E-02	7.60E-02	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.6	3.33E-02	5.20E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.78	4.33E-02	1.10E-01	—	pCi/L	—	—	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.64	3.67E-02	6.20E-02	—	pCi/L	—	—	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0882	5.00E-03	3.20E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	3.10E-03	3.60E-02	—	pCi/L	U	U	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.101	5.33E-03	2.90E-02	—	pCi/L	—	—	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0292	3.23E-03	3.70E-02	—	pCi/L	U	U	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0342	3.33E-03	3.70E-02	—	pCi/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0717	4.33E-03	2.80E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0488	5.00E-03	5.60E-02	—	pCi/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0917	5.33E-03	3.20E-02	—	pCi/L	—	—	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/19/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.728	1.80E-02	3.10E-02	—	pCi/L	—	—	08-1720	CASA-08-14367	GELC
SCI-1	8211	358.4	05/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0675	4.00E-03	4.20E-02	—	pCi/L	—	—	08-1218	CASA-08-12860	GELC
SCI-1	8211	358.4	02/22/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.791	1.90E-02	3.80E-02	—	pCi/L	—	—	08-682	CASA-08-10569	GELC
SCI-1	8211	358.4	11/16/07	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.731	1.93E-02	4.10E-02	—	pCi/L	—	—	08-203	CASA-08-7412	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.647	1.90E-02	3.70E-02	—	pCi/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.809	1.90E-02	2.70E-02	—	pCi/L	—	—	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.792	2.30E-02	6.60E-02	—	pCi/L	—	—	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.691	1.73E-02	4.10E-02	—	pCi/L	—	—	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.491	—	—	2.50E-01	µg/L	J	J	09-2756	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.681	—	—	2.50E-01	µg/L	J	J	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.742	—	—	2.50E-01	µg/L	J	J	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	0.5	—	—	2.50E-01	µg/L	J	U	08-682	CASA-08-10568	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	FD	Voa	SW-846:8260B	Chloromethane	—	0.325	—	—	3.00E-01	µg/L	J	J	09-2756	CASA-09-10349	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	—	0.534	—	—	3.00E-01	µg/L	J	J	09-2756	CASA-09-10350	GELC
SCI-1	8211	358.4	08/19/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1720	CASA-08-14366	GELC
SCI-1	8211	358.4	05/21/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-1218	CASA-08-12858	GELC
SCI-1	8211	358.4	02/22/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloromethane	<	1	—	—	5.00E-01	µg/L	U	U	08-682	CASA-08-10568	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	—	0.0000286	—	—	2.86E-05	µg/L	J	J	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	<	0.00000389	—	—	3.89E-06	µg/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000554	—	—	5.54E-05	µg/L	—	—	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	<	0.00000389	—	—	3.89E-06	µg/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	—	0.0000142	—	—	1.42E-05	µg/L	—	—	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Hexachlorodibenzodioxins (Total)	<	0.00000206	—	—	2.06E-06	µg/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000127	—	—	1.27E-05	µg/L	JB	J	09-2772	CASA-09-10371	ALTC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000747	—	—	7.47E-05	µg/L	B	—	09-2772	CASA-09-10367	ALTC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000032	—	—	3.20E-06	µg/L	U	U	09-905	CASA-09-2992	ALTC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.7	—	—	7.30E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.6	—	—	7.30E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.6	—	—	7.30E-01	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.8	—	—	7.30E-01	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.416	—	—	6.60E-02	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.424	—	—	6.60E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.194	—	—	6.60E-02	mg/L	J	J	09-1772	CASA-09-8315	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.498	—	—	6.70E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.435	—	—	6.70E-02	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.304	—	—	6.70E-02	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	64.1	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.7	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.8	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	62.4	—	—	3.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	59.5	—	—	3.00E-02	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	63	—	—	3.00E-02	mg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	60	—	—	3.00E-02	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	62.5	—	—	3.00E-02	mg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.8	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65	—	—	3.00E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.9	—	—	3.00E-01	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	60	—	—	3.00E-02	mg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.8	—	—	3.00E-02	mg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	56.4	—	—	3.30E-01	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	56	—	—	3.30E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.3	—	—	6.60E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.1	—	—	3.30E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.4	—	—	6.60E-01	mg/L	—	J+	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.2	—	—	3.30E+00	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00798	—	—	1.50E-03	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00697	—	—	1.50E-03	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00983	—	—	1.70E-03	mg/L	—	—	09-2774	CASA-09-10371	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	10/21/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00797	—	—	1.50E-03	mg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.337	—	—	3.30E-02	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.221	—	—	3.30E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.269	—	—	3.30E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.185	—	—	3.30E-02	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.22	—	—	3.30E-02	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	227	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	7.50E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	205	—	—	3.50E-01	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	204	—	—	3.50E-01	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	213	—	—	3.50E-01	mg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	213	—	—	3.50E-01	mg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	230	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	219	—	—	7.50E-01	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	207	—	—	3.50E-01	mg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	210	—	—	3.50E-01	mg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.89	—	—	1.00E-01	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.4	—	—	1.00E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.36	—	—	1.00E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.36	—	—	1.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.93	—	—	5.00E-02	mg/L	—	J+	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.1	—	—	2.50E-01	mg/L	—	J-	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.941	—	—	5.00E-02	µg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.936	—	—	5.00E-02	µg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.991	—	—	1.00E-01	µg/L	—	—	09-1772	CASA-09-8315	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	1.00E-01	µg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.975	—	—	1.00E-01	µg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.983	—	—	1.00E-01	µg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.64	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.38	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.56	—	—	5.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.38	—	—	5.00E-02	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.17	—	—	5.00E-02	mg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.95	—	—	5.00E-02	mg/L	—	J	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.32	—	—	5.00E-02	mg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.81	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.71	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.39	—	—	5.00E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.67	—	—	5.00E-01	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.34	—	—	5.00E-02	mg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.87	—	—	5.00E-02	mg/L	—	J	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	21.4	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.2	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	4.50E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21	—	—	4.50E-02	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.4	—	—	4.50E-02	mg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	4.50E-02	mg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.5	—	—	4.50E-02	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	24.6	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.4	—	—	4.50E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.1	—	—	4.50E-02	mg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.5	—	—	4.50E-02	mg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22	—	—	4.50E-02	mg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	553	—	—	1.00E+00	µS/cm	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	547	—	—	1.00E+00	µS/cm	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	551	—	—	1.00E+00	µS/cm	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	556	—	—	1.00E+00	µS/cm	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	552	—	—	1.00E+00	µS/cm	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	560	—	—	1.00E+00	µS/cm	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	85.2	—	—	5.00E-01	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85	—	—	5.00E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	87.1	—	—	1.00E+00	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	90.3	—	—	5.00E-01	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	87.8	—	—	1.00E+00	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	101	—	—	5.00E+00	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	406	—	—	2.40E+00	mg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	411	—	—	2.40E+00	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	378	—	—	2.40E+00	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	370	—	—	2.40E+00	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	377	—	—	2.40E+00	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.18	—	—	3.30E-01	mg/L	—	—	09-2773	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.56	—	—	3.30E-01	mg/L	—	—	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.37	—	—	3.30E-01	mg/L	—	—	09-906	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.556	—	—	3.30E-01	mg/L	J	J	09-340	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.65	—	—	3.30E-01	mg/L	—	—	09-141	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.149	—	—	1.50E-02	mg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.019	—	—	1.50E-02	mg/L	J	J	09-1772	CASA-09-8315	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.035	—	—	2.40E-02	mg/L	J	J	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.179	—	—	2.40E-02	mg/L	—	J	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.055	—	—	2.40E-02	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.55	—	—	1.00E-02	SU	H	J-	09-2774	CASA-09-10372	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	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.56	—	—	1.00E-02	SU	H	J-	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.66	—	—	1.00E-02	SU	H	J-	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6010B	Aluminum	—	70.1	—	—	6.80E+01	µg/L	J	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	102	—	—	6.80E+01	µg/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	440	—	—	6.80E+01	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	166	—	—	6.80E+01	µg/L	J	J	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	62.2	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.7	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.1	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.3	—	—	1.00E+00	µg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	56.1	—	—	1.00E+00	µg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	57.6	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.3	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.4	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	63.8	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.5	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59.7	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65	—	—	1.00E+00	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	57.9	—	—	1.00E+00	µg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.5	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	µg/L	J	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	µg/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	26.2	—	—	1.00E+01	µg/L	J	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	20.2	—	—	1.00E+01	µg/L	J	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.7	—	—	1.00E+01	µg/L	J	J	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	µg/L	U	U	09-142	CASA-09-503	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	26.8	—	—	1.00E+01	µg/L	J	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	21.1	—	—	1.00E+01	µg/L	J	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.00E+01	µg/L	J	J	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.9	—	—	1.00E+01	µg/L	J	J	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	506	—	—	2.50E+00	µg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	510	—	—	2.50E+00	µg/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	µg/L	—	—	09-2774	CASA-09-10406	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	658	—	—	1.50E+01	µg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	658	—	—	1.50E+01	µg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	586	—	—	1.50E+01	µg/L	—	—	09-1773	CASA-09-9297	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	593	—	—	1.50E+00	µg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	489	—	—	1.50E+00	µg/L	E	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	471	—	—	1.50E+00	µg/L	E	—	09-341	CASA-09-962	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	562	—	—	1.50E+00	µg/L	—	—	09-142	CASA-09-502	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	562	—	—	1.50E+00	µg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	563	—	—	1.50E+00	µg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	518	—	—	2.50E+00	µg/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	538	—	—	2.50E+00	µg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	644	—	—	1.50E+01	µg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	618	—	—	1.50E+00	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	470	—	—	1.50E+00	µg/L	E	J	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	579	—	—	1.50E+00	µg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-142	CASA-09-503	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.574	—	—	5.00E-01	µg/L	J	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	µg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	µg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	µg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.1	—	—	1.00E-01	µg/L	—	J	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.1	—	—	1.00E-01	µg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.3	—	—	1.00E-01	µg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.1	—	—	1.00E-01	µg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	µg/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	µg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	µg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.2	—	—	1.00E-01	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	µg/L	—	J	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.2	—	—	1.00E-01	µg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	16.4	—	—	5.00E-01	µg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	µg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	µg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	5.00E-01	µg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.5	—	—	5.00E-01	µg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	15.9	—	—	5.00E-01	µg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	15.5	—	—	5.00E-01	µg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	15.8	—	—	5.00E-01	µg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	µg/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	µg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	15.5	—	—	5.00E-01	µg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.3	—	—	5.00E-01	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.5	—	—	5.00E-01	µg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	5.00E-01	µg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	mg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.1	—	—	5.30E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.7	—	—	3.20E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	3.20E-02	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58.1	—	—	3.20E-02	mg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	3.20E-02	mg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	333	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	293	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	297	—	—	1.00E+01	µg/L	—	—	09-907	CASA-09-2991	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	282	—	—	1.00E+00	µg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	291	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	293	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	278	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	346	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	321	—	—	1.00E+00	µg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	296	—	—	1.00E+00	µg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	306	—	—	1.00E+01	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	289	—	—	1.00E+00	µg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	286	—	—	1.00E+00	µg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	—	0.466	—	—	3.00E-01	µg/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-142	CASA-09-504	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.59	—	—	3.00E-01	µg/L	J	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	µg/L	—	—	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	µg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.75	—	—	5.00E-02	µg/L	—	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-142	CASA-09-503	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	µg/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	µg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.68	—	—	5.00E-02	µg/L	—	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	µg/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.53	—	—	1.00E+00	µg/L	J	J	09-2774	CASA-09-10372	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.58	—	—	1.00E+00	µg/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.05	—	—	1.00E+00	µg/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.2	—	—	1.00E+00	µg/L	J	J	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1	—	—	1.00E+00	µg/L	J	J	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.9	—	—	1.00E+00	µg/L	J	U	09-142	CASA-09-504	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.5	—	—	1.00E+00	µg/L	J	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1.8	—	—	1.00E+00	µg/L	J	U	09-142	CASA-09-503	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.57	—	—	1.00E+00	µg/L	J	J	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.57	—	—	1.00E+00	µg/L	J	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	µg/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.4	—	—	1.00E+00	µg/L	J	J	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.1	—	—	1.00E+00	µg/L	J	J	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	1.8	—	—	1.00E+00	µg/L	J	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	2.07E-03	4.80E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Americium-241	<	0.00936	1.03E-02	1.20E-01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00354	1.13E-03	2.30E-02	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	HASL-300	Americium-241	<	-0.011	4.33E-03	3.30E-02	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00288	6.67E-04	2.50E-02	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00126	1.20E-03	2.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00161	2.37E-03	4.00E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00101	5.00E-03	5.90E-02	—	pCi/L	U	U	09-907	CASA-09-2992	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00112	1.60E-03	2.20E-02	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00772	4.00E-03	3.10E-02	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.918	4.33E-01	3.80E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.41	4.00E-01	4.50E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0121	4.00E-01	3.80E+00	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.8	5.67E-01	4.90E+00	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-0.614	5.33E-01	5.20E+00	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.04	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.2	4.67E-01	4.90E+00	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.39	4.33E-01	4.10E+00	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.341	4.67E-01	4.50E+00	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.489	4.33E-01	4.10E+00	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.11	4.33E-01	3.80E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.377	5.33E-01	4.20E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.26	4.33E-01	4.50E+00	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.155	3.33E-01	3.40E+00	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-0.85	4.00E-01	3.70E+00	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.188	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.745	4.67E-01	4.20E+00	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.994	4.67E-01	4.80E+00	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.32	4.67E-01	5.20E+00	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.72	5.33E-01	6.40E+00	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.83	2.37E-01	2.10E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	2.38	3.33E-01	2.50E+00	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.57	3.13E-01	2.90E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.69	1.90E-01	1.50E+00	—	pCi/L	—	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.2	3.13E-01	2.10E+00	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	7.58	5.67E-01	4.50E+00	—	pCi/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.59	3.67E-01	2.80E+00	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.39	3.17E-01	2.10E+00	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	—	89.9	8.00E+00	8.20E+01	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	5.67	1.17E+00	7.00E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.6	1.70E+01	4.60E+01	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	4.64	1.13E+00	7.40E+00	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	—	157	1.57E+01	7.60E+01	—	pCi/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	215	2.33E+01	1.30E+02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	90.8	7.33E+00	6.80E+01	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.9	4.67E+00	4.00E+01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	28	1.20E+01	4.20E+01	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	31.3	4.33E+00	3.60E+01	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.59	4.00E+00	4.10E+01	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.65	3.33E+00	3.00E+01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.989	2.13E+00	2.00E+01	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11	2.93E+00	2.70E+01	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	22.3	4.00E+00	4.00E+01	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.9	4.67E+00	4.50E+01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	22.5	3.67E+00	3.90E+01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.89	4.33E+00	3.60E+01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.35	3.33E+00	3.40E+01	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.01	3.33E+00	3.20E+01	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00197	2.70E-03	3.10E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	3.57E-09	6.00E-03	5.30E-02	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	4.54E-10	1.57E-03	2.80E-02	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00733	2.13E-03	2.80E-02	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00365	1.07E-03	2.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00629	2.10E-03	4.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00206	3.33E-03	3.20E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00497	4.33E-03	3.50E-02	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00191	2.13E-03	2.80E-02	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0108	1.77E-03	3.30E-02	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00395	2.07E-03	3.80E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00749	3.67E-03	7.50E-02	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00571	1.43E-03	3.20E-02	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00549	1.07E-03	3.20E-02	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00182	1.07E-03	3.30E-02	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00314	2.77E-03	5.80E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00822	3.33E-03	3.90E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00744	2.20E-03	5.00E-02	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00382	1.80E-03	3.30E-02	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00431	1.03E-03	3.70E-02	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	28.2	6.00E+00	6.50E+01	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	6.63	5.33E+00	5.40E+01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	7.69	6.00E+00	6.50E+01	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-2.57	5.33E+00	5.30E+01	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-29.7	6.00E+00	5.40E+01	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.9	6.67E+00	6.90E+01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.3	6.67E+00	7.00E+01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.6	6.00E+00	6.20E+01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.3	6.33E+00	7.20E+01	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5	6.33E+00	6.40E+01	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.974	5.00E-01	5.30E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.574	3.67E-01	3.50E+00	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.169	4.67E-01	4.60E+00	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	2.34	4.67E-01	5.10E+00	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.129	4.00E-01	4.10E+00	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.136	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.103	6.00E-01	5.90E+00	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2	4.33E-01	3.80E+00	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.89	4.67E-01	3.50E+00	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.27	5.00E-01	5.50E+00	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.218	4.33E-02	4.10E-01	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.103	4.00E-02	4.30E-01	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.162	2.40E-02	2.60E-01	—	pCi/L	U	U	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0818	4.67E-02	4.90E-01	—	pCi/L	U	U	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.032	4.00E-02	4.10E-01	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.378	4.33E-02	4.20E-01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.325	4.67E-02	4.60E-01	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.415	4.67E-02	4.50E-01	—	pCi/L	U	U	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0426	3.30E-02	3.30E-01	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.119	3.33E-02	3.90E-01	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	LLEE	Tritium	—	472.564	5.32E+00	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10371	UMTL
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	485.336	5.32E+00	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10367	UMTL
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.915	5.32E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8313	UMTL
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	374.754	2.04E+01	1.81E+02	—	pCi/L	—	—	09-932	CASA-09-2992	ARSL
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	498.108	5.32E+00	2.87E-01	—	pCi/L	—	—	09-919	CASA-09-2992	UMTL
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	510.88	5.32E+00	2.87E-01	—	pCi/L	—	—	09-343	CASA-09-959	UMTL
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	LLEE	Tritium	—	475.757	5.32E+00	2.87E-01	—	pCi/L	—	—	09-144	CASA-09-501	UMTL
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.728	2.23E-02	9.80E-02	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.684	1.87E-02	5.70E-02	—	pCi/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.758	1.87E-02	5.40E-02	—	pCi/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.735	1.87E-02	6.30E-02	—	pCi/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.667	1.93E-02	7.30E-02	—	pCi/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.577	1.70E-02	6.80E-02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.727	2.17E-02	9.10E-02	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.741	2.00E-02	5.80E-02	—	pCi/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.741	1.87E-02	6.00E-02	—	pCi/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.791	1.90E-02	5.80E-02	—	pCi/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00902	3.67E-03	4.60E-02	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	2.57E-03	2.60E-02	—	pCi/L	U	U	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0287	2.53E-03	2.90E-02	—	pCi/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0622	4.33E-03	3.30E-02	—	pCi/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0214	3.10E-03	3.60E-02	—	pCi/L	U	U	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.33E-03	3.30E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	2.63E-03	4.20E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0298	2.87E-03	2.70E-02	—	pCi/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0235	3.33E-03	3.20E-02	—	pCi/L	U	U	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0267	2.70E-03	3.00E-02	—	pCi/L	U	U	09-142	CASA-09-501	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.38	1.37E-02	4.90E-02	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	02/13/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.344	1.10E-02	3.40E-02	—	pCi/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	11/18/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.381	1.10E-02	2.90E-02	—	pCi/L	—	—	09-341	CASA-09-960	GELC
SCI-2	8601	548	10/21/08	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.406	1.20E-02	3.50E-02	—	pCi/L	—	—	09-142	CASA-09-502	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.346	1.20E-02	3.60E-02	—	pCi/L	—	—	09-2774	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.312	1.07E-02	3.40E-02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.361	1.27E-02	4.50E-02	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.415	1.27E-02	3.40E-02	—	pCi/L	—	—	09-907	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.375	1.13E-02	3.20E-02	—	pCi/L	—	—	09-341	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.407	1.17E-02	3.20E-02	—	pCi/L	—	—	09-142	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	FD	Voa	SW-846:8260B	Chloroform	—	0.296	—	—	2.50E-01	µg/L	J	J	09-2773	CASA-09-10371	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.273	—	—	2.50E-01	µg/L	J	J	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.294	—	—	2.50E-01	µg/L	J	J	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.279	—	—	2.50E-01	µg/L	J	J	09-906	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.339	—	—	2.50E-01	µg/L	J	J	09-340	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.334	—	—	2.50E-01	µg/L	J	J	09-141	CASA-09-501	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Voa	SW-846:8260B	Diethyl Ether	—	0.301	—	—	3.00E-01	µg/L	J	J	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Diethyl Ether	<	1	—	—	3.00E-01	µg/L	U	U	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	02/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Diethyl Ether	<	1	—	—	3.00E-01	µg/L	U	U	09-906	CASA-09-2992	GELC
SCI-2	8601	548	11/18/08	WG	UF	CS	—	Voa	SW-846:8260B	Diethyl Ether	<	1	—	—	3.00E-01	µg/L	U	U	09-340	CASA-09-959	GELC
SCI-2	8601	548	10/21/08	WG	UF	CS	—	Voa	SW-846:8260B	Diethyl Ether	<	1	—	—	3.00E-01	µg/L	U	U	09-141	CASA-09-501	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	146	—	—	7.30E-01	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	157	—	—	7.30E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	128	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.184	—	—	1.60E-02	mg/L	—	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.144	—	—	1.60E-02	mg/L	—	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.134	—	—	3.00E-02	mg/L	—	J-	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	U	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.667	—	—	6.60E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.314	—	—	6.60E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.179	—	—	6.70E-02	mg/L	J	J	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.284	—	—	6.70E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.3	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.8	—	—	3.00E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.5	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.7	—	—	3.00E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.4	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.9	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.9	—	—	6.60E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	09-1746	CASA-09-8237	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	145	—	—	6.60E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	79.9	—	—	6.60E-01	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00247	—	—	1.70E-03	mg/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/13/08	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00324	—	—	1.50E-03	mg/L	J	J	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.50E-03	mg/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	08/22/07	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00907	—	—	1.50E-03	mg/L	—	J-	192216	GU070800P12301	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.66	—	—	3.30E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.539	—	—	3.30E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.462	—	—	3.30E-02	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.442	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.1	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	117	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.1	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.5	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	116	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	110	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.35	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.2	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.76	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.52	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.16	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.06	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.86	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.61	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.6	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.69	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.98	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.7	—	—	5.00E-02	mg/L	—	—	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.468	—	—	5.00E-02	µg/L	—	J	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.31	—	—	1.00E-01	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	µg/L	—	J+	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.2	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.2	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.4	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.7	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	109	—	—	4.50E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	125	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	84.4	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.9	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	111	—	—	4.50E-02	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	131	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	83.7	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	529	—	—	1.00E+00	µS/cm	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	780	—	—	1.00E+00	µS/cm	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	850	—	—	1.00E+00	µS/cm	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	598	—	—	1.00E+00	µS/cm	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23.9	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.9	—	—	1.00E-01	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.3	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.3	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	6.6	—	—	1.10E+00	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	7.2	—	—	1.10E+00	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.2	—	—	1.10E+00	mg/L	J	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.6	—	—	1.10E+00	mg/L	J	J	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	8	—	—	2.30E+00	mg/L	J	J	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	408	—	—	2.40E+00	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	525	—	—	2.40E+00	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	550	—	—	2.40E+00	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	416	—	—	2.40E+00	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.372	—	—	3.30E-02	mg/L	—	J-	09-2812	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.58	—	—	3.30E-02	mg/L	—	J-	09-1745	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.031	—	—	2.90E-02	mg/L	J	J	09-847	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.16	—	—	2.90E-02	mg/L	—	U	09-204	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.334	—	—	2.90E-02	mg/L	—	J-	08-1642	CASA-08-14332	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.85	—	—	3.30E-01	mg/L	—	—	09-2812	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.68	—	—	3.30E-01	mg/L	—	—	09-1745	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.85	—	—	3.30E-01	mg/L	—	—	09-847	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.79	—	—	3.30E-01	mg/L	—	—	09-204	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.68	—	—	1.50E-02	mg/L	—	J+	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.98	—	—	1.50E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.9	—	—	1.20E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.79	—	—	1.20E-01	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.77	—	—	1.20E-01	mg/L	—	—	08-1642	CASA-08-14333	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.48	—	—	1.00E-02	SU	H	J-	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	121	—	—	6.80E+01	µg/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	517	—	—	6.80E+01	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	109	—	—	6.80E+01	µg/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	133	—	—	6.80E+01	µg/L	J	J	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.27	—	—	1.50E+00	µg/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.1	—	—	1.50E+00	µg/L	J	J	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.65	—	—	1.50E+00	µg/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.5	—	—	1.50E+00	µg/L	J	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	28.3	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	39.7	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	45.3	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	28.1	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	47	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.1	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	59.1	—	—	1.50E+01	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	71.4	—	—	1.00E+01	µg/L	—	J	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	46.9	—	—	1.00E+01	µg/L	J	J	09-849	CASA-09-2744	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	47.2	—	—	1.00E+01	µg/L	J	J	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	56.3	—	—	1.50E+01	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	74.5	—	—	1.00E+01	µg/L	—	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.6	—	—	1.00E+01	µg/L	J	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.5	—	—	1.00E+01	µg/L	J	J	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	2.56	—	—	2.50E+00	µg/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	1.50E+00	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.9	—	—	7.50E+00	µg/L	J	J	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	3.6	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.41	—	—	1.50E+00	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.7	—	—	7.50E+00	µg/L	J	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.4	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.16	—	—	3.00E+00	µg/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.41	—	—	3.00E+00	µg/L	J	J	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.6	—	—	3.00E+00	µg/L	J	J	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4	—	—	3.00E+00	µg/L	J	J	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.88	—	—	3.00E+00	µg/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.88	—	—	3.00E+00	µg/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.8	—	—	3.00E+00	µg/L	J	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.9	—	—	3.00E+00	µg/L	J	J	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	196	—	—	3.00E+01	µg/L	—	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	176	—	—	2.50E+01	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	173	—	—	2.50E+01	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	203	—	—	2.50E+01	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	703	—	—	3.00E+01	µg/L	—	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	394	—	—	2.50E+01	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	289	—	—	2.50E+01	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	339	—	—	2.50E+01	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.1	—	—	5.00E-01	µg/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.611	—	—	5.00E-01	µg/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	42.1	—	—	2.00E+00	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	33.9	—	—	2.00E+00	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	42.1	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	47.6	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	71.6	—	—	2.00E+00	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	45	—	—	2.00E+00	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	47.3	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	55.4	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.02	—	—	1.00E-01	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.5	—	—	1.00E-01	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.3	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.3	—	—	1.00E-01	µg/L	—	J	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.21	—	—	1.00E-01	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.53	—	—	1.00E-01	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.1	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.4	—	—	1.00E-01	µg/L	—	J	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	µg/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	3.14	—	—	5.00E-01	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	µg/L	J	J	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.57	—	—	5.00E-01	µg/L	J	J	09-2813	CASA-09-10309	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.95	—	—	5.00E-01	µg/L	J	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	µg/L	J	J	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	2.70E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	102	—	—	3.20E-02	mg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	109	—	—	1.60E-01	mg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	108	—	—	1.60E-01	mg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.419	—	—	2.00E-01	µg/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	µg/L	U	U	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.6	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	144	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.6	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.554	—	—	5.00E-02	µg/L	—	U	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.74	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.387	—	—	5.00E-02	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.72	—	—	5.00E-02	µg/L	—	J	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.89	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.26	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	16.1	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.7	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.5	—	—	3.30E+00	µg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	34.5	—	—	2.00E+00	µg/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	33.2	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2744	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.6	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-835	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	24.1	—	—	3.30E+00	µg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	39.4	—	—	2.00E+00	µg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.1	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2743	GELC
Sandia below Wetlands	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31.7	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-836	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00376	1.67E-03	5.00E-02	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00031	7.67E-04	3.90E-02	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00288	1.00E-03	4.30E-02	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.008	1.93E-03	4.60E-02	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0068	1.57E-03	3.40E-02	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00144	1.13E-03	3.80E-02	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	4.48	4.67E-01	3.70E+00	—	pCi/L	UI	R	08-1132	CASA-08-12821	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.101	4.00E-01	3.70E+00	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.761	3.67E-01	3.90E+00	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.47	7.00E-01	3.70E+00	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.31	4.33E-01	3.70E+00	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.502	3.33E-01	3.60E+00	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.818	2.73E-01	4.20E+00	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0642	4.33E-01	4.40E+00	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.593	4.33E-01	3.40E+00	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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
Sandia below Wetlands	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.703	5.00E-01	5.10E+00	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.227	3.07E-01	3.00E+00	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.225	4.33E-01	4.30E+00	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.04	2.57E-01	2.60E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	n/a	n/a	08/22/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	16.4	7.70E-01	4.21E+00	—	pCi/L	—	—	192216	GF070800P12301	GELC
Sandia below Wetlands	n/a	n/a	06/13/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	12.4	5.93E-01	3.50E+00	—	pCi/L	—	—	187921	GF070600P12301	GELC
Sandia below Wetlands	n/a	n/a	02/20/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	16.5	4.57E-01	3.26E+00	—	pCi/L	—	—	181199	GF070200P12301	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	08/22/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	42.9	1.48E+00	3.80E+00	—	pCi/L	—	—	192216	GU070800P12301	GELC
Sandia below Wetlands	n/a	n/a	06/13/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	15.8	6.57E-01	3.13E+00	—	pCi/L	—	—	187921	GU070600P12301	GELC
Sandia below Wetlands	n/a	n/a	02/20/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	20	4.80E-01	3.28E+00	—	pCi/L	—	—	181199	GU070200P12301	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	73.7	2.07E+01	3.10E+02	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	75.9	5.67E+01	2.80E+02	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	76.7	2.03E+01	2.40E+02	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.4	1.63E+01	2.60E+02	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	89.2	3.20E+01	3.90E+02	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	55.7	1.53E+01	1.80E+02	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.3	3.67E+00	3.40E+01	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2	4.00E+00	2.80E+01	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	15.1	4.00E+00	3.50E+01	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.23	3.67E+00	3.20E+01	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.45	2.97E+00	2.70E+01	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-23.2	3.33E+00	2.80E+01	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	2.04E-09	4.00E-03	3.80E-02	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0116	4.67E-03	3.50E-02	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00605	2.93E-03	3.60E-02	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00945	1.83E-03	5.60E-02	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00585	3.67E-03	3.60E-02	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00494	1.67E-03	4.40E-02	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00856	1.77E-03	3.80E-02	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.57E-03	4.20E-02	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00202	2.43E-03	3.40E-02	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00315	3.67E-03	5.50E-02	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0156	3.07E-03	4.20E-02	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00494	2.33E-03	4.20E-02	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	37.8	5.00E+00	3.20E+01	—	pCi/L	UI	R	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	30.5	5.00E+00	3.10E+01	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	<	23.9	6.67E+00	3.60E+01	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.75	6.33E+00	6.10E+01	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	46.3	7.33E+00	2.70E+01	—	pCi/L	—	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	33.7	5.00E+00	3.60E+01	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.38	4.33E-01	3.80E+00	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.13	4.00E-01	4.10E+00	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.53	3.33E-01	3.90E+00	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.07	5.33E-01	4.00E+00	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.52	3.33E-01	2.80E+00	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.91	4.00E-01	4.20E+00	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0806	2.87E-02	3.00E-01	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.256	4.00E-02	4.80E-01	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0618	3.67E-02	4.10E-01	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.233	3.23E-02	4.20E-01	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0336	4.00E-02	4.80E-01	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.418	5.00E-02	4.50E-01	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.243	1.10E-02	1.20E-01	—	pCi/L	—	—	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.511	1.40E-02	6.20E-02	—	pCi/L	—	—	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Uranium-234	—	0.196	8.67E-03	8.80E-02	—	pCi/L	—	—	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.313	1.17E-02	1.10E-01	—	pCi/L	—	—	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.528	1.47E-02	6.90E-02	—	pCi/L	—	—	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.239	9.33E-03	8.00E-02	—	pCi/L	—	—	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	3.67E-03	5.60E-02	—	pCi/L	U	U	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0299	3.07E-03	3.00E-02	—	pCi/L	U	U	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00971	1.87E-03	4.50E-02	—	pCi/L	U	U	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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
Sandia below Wetlands	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0174	2.63E-03	5.20E-02	—	pCi/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0333	3.03E-03	3.40E-02	—	pCi/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00888	2.20E-03	4.10E-02	—	pCi/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	05/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.121	7.00E-03	7.40E-02	—	pCi/L	—	—	08-1132	CASA-08-12821	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.264	8.67E-03	3.60E-02	—	pCi/L	—	—	08-633	CASA-08-10856	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	F	CS	—	Rad	HASL-300	Uranium-238	—	0.131	7.00E-03	5.50E-02	—	pCi/L	—	—	08-176	CASA-08-7468	GELC
Sandia below Wetlands	n/a	n/a	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	n/a	n/a	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	n/a	n/a	05/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.172	8.33E-03	6.80E-02	—	pCi/L	—	—	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.274	9.33E-03	4.00E-02	—	pCi/L	—	—	08-633	CASA-08-10855	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	11/13/07	WP	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0766	5.00E-03	5.00E-02	—	pCi/L	—	—	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	12.3	—	—	2.50E+00	µg/L	U	U	08-1641	CASA-08-14332	GELC
Sandia below Wetlands	n/a	n/a	05/13/08	WS	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	11.9	—	—	2.40E+00	µg/L	U	UJ	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	11	—	—	2.20E+00	µg/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	11	—	—	2.20E+00	µg/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	FTB	Voa	SW-846:8260B	Chlorobenzene	—	5.08	—	—	2.50E-01	µg/L	—	—	09-2812	CASA-09-10308	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1641	CASA-08-14332	GELC
Sandia below Wetlands	n/a	n/a	05/13/08	WS	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	2.50E-01	µg/L	U	U	08-176	CASA-08-7471	GELC
Sandia below Wetlands	n/a	n/a	08/07/09	WS	UF	CS	FTB	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	—	0.27	—	—	2.50E-01	µg/L	J	J	09-2812	CASA-09-10308	GELC
Sandia below Wetlands	n/a	n/a	08/11/08	WS	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-1641	CASA-08-14332	GELC
Sandia below Wetlands	n/a	n/a	05/13/08	WS	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-1132	CASA-08-12822	GELC
Sandia below Wetlands	n/a	n/a	02/14/08	WS	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-633	CASA-08-10855	GELC
Sandia below Wetlands	n/a	n/a	11/13/07	WP	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	µg/L	U	U	08-176	CASA-08-7471	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	4.2	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.72	—	—	7.25E-01	mg/L	—	—	163267	GF060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	129	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	130	—	—	7.30E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	162	—	—	7.30E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	109	—	—	7.25E-01	mg/L	—	—	163267	GF060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.434	—	—	6.60E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.66	—	—	6.60E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.154	—	—	6.70E-02	mg/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.524	—	—	6.70E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.502	—	—	4.10E-02	mg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	32.1	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.7	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Geninorg	EPA:200.7	Calcium	—	26.7	—	—	3.00E-02	mg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.5	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.3	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.9	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Geninorg	EPA:200.7	Calcium	—	27.4	—	—	3.00E-02	mg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	94.5	—	—	6.60E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	146	—	—	6.60E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64.9	—	—	6.60E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	93.5	—	—	1.06E+00	mg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	95.5	—	—	3.22E-01	mg/L	—	—	114589	GF04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	SW-846:9012A	Cyanide (Total)	—	0.00275	—	—	2.50E-03	mg/L	HJ	J	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00199	—	—	1.70E-03	mg/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.0015	—	—	1.50E-03	mg/L	U	UJ	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.0045	—	—	1.72E-03	mg/L	HJ	J	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00541	—	—	1.72E-03	mg/L	—	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.575	—	—	3.30E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.422	—	—	3.30E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.387	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.371	—	—	3.00E-02	mg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	104	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	119	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Geninorg	SM:A2340B	Hardness	—	96.1	—	—	4.25E-01	mg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	104	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	117	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	102	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86.5	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	100	—	—	4.25E-01	mg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.74	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.56	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.87	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.84	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Geninorg	EPA:200.7	Magnesium	—	7.13	—	—	8.50E-02	mg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.67	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.41	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.38	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.04	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Geninorg	EPA:200.7	Magnesium	—	7.69	—	—	8.50E-02	mg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.486	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.21	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.01	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	2.35	—	—	1.40E-02	mg/L	—	—	163267	GF060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	—	2.27	—	—	1.40E-02	mg/L	—	—	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.424	—	—	5.00E-02	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.479	—	—	5.00E-02	µg/L	—	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.57	—	—	2.00E-01	µg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.649	—	—	5.00E-02	µg/L	—	J+	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	EPA:314.0	Perchlorate	<	4	—	—	4.00E+00	µg/L	U	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	SW846 6850	Perchlorate	—	0.836	—	—	5.00E-02	µg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.9	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.8	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Geninorg	EPA:200.7	Potassium	—	22.9	—	—	5.00E-02	mg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.7	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.2	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.4	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Geninorg	EPA:200.7	Potassium	—	23.4	—	—	5.00E-02	mg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	<	106	—	—	3.20E-02	mg/L	—	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	<	106	—	—	3.20E-01	mg/L	—	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	86.1	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	97.4	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	139	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	68.2	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Geninorg	EPA:200.7	Sodium	—	139	—	—	4.50E-02	mg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.1	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	95.7	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	142	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	73.9	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Geninorg	EPA:200.7	Sodium	—	139	—	—	4.50E-02	mg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	630	—	—	1.00E+00	µS/cm	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	740	—	—	1.00E+00	µS/cm	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	870	—	—	1.00E+00	µS/cm	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	520	—	—	1.00E+00	µS/cm	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.6	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.9	—	—	1.00E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.6	—	—	1.00E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.2	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	20.5	—	—	5.70E-02	mg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	443	—	—	2.40E+00	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	498	—	—	2.40E+00	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	571	—	—	2.40E+00	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	370	—	—	2.40E+00	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	498	—	—	2.38E+00	mg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	F	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.73	—	—	1.00E-02	mg/L	—	—	163267	GF060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.472	—	—	3.30E-02	mg/L	—	J-	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.378	—	—	3.30E-02	mg/L	—	J+	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.339	—	—	2.90E-02	mg/L	—	—	09-847	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-204	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.83	—	—	1.00E-02	mg/L	—	—	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.55	—	—	3.30E-01	mg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.95	—	—	3.30E-01	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.28	—	—	3.30E-01	mg/L	—	—	09-847	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.12	—	—	3.30E-01	mg/L	—	—	09-204	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.34	—	—	3.30E-01	mg/L	—	—	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.89	—	—	7.50E-02	mg/L	—	J+	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.05	—	—	7.50E-02	mg/L	—	J-	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.4	—	—	2.40E-02	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.61	—	—	1.20E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	4.18	—	—	1.00E-02	mg/L	—	—	163267	GF060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	05/17/06	WP	UF	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	4.28	—	—	1.00E-02	mg/L	—	—	163267	GU060500P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	75.5	—	—	6.80E+01	µg/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Aluminum	—	389	—	—	6.80E+01	µg/L	N	J+	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Aluminum	—	3430	—	—	6.80E+01	µg/L	N	J+	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.29	—	—	1.50E+00	µg/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.7	—	—	1.50E+00	µg/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Arsenic	<	5	—	—	5.00E+00	µg/L	U	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.75	—	—	1.50E+00	µg/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.8	—	—	1.50E+00	µg/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Arsenic	<	5	—	—	5.00E+00	µg/L	U	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	23.2	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	21.5	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Barium	—	55.1	—	—	1.00E+00	µg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.7	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.2	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2747	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Barium	—	70.4	—	—	1.00E+00	µg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	71.7	—	—	1.50E+01	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	53.4	—	—	1.00E+01	µg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	42.7	—	—	1.00E+01	µg/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	42	—	—	1.00E+01	µg/L	J	J	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	103	—	—	1.00E+01	µg/L	—	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	73.1	—	—	1.50E+01	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	52.5	—	—	1.00E+01	µg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.5	—	—	1.00E+01	µg/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.8	—	—	1.00E+01	µg/L	J	J	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	91	—	—	1.00E+01	µg/L	—	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	3.94	—	—	1.50E+00	µg/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	9	—	—	7.50E+00	µg/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.9	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.8	Chromium	—	2.8	—	—	2.50E+00	µg/L	J	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	µg/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.46	—	—	1.50E+00	µg/L	—	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	7.50E+00	µg/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	1.50E+00	µg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.8	Chromium	—	5.3	—	—	2.50E+00	µg/L	J	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.99	—	—	2.00E+00	µg/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.84	—	—	2.00E+00	µg/L	J	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.4	—	—	2.00E+00	µg/L	J	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.5	—	—	2.00E+00	µg/L	J	J	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Manganese	—	36.6	—	—	2.00E+00	µg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.2	—	—	2.00E+00	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.94	—	—	2.00E+00	µg/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.5	—	—	2.00E+00	µg/L	J	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6	—	—	2.00E+00	µg/L	J	J	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Manganese	—	62.2	—	—	2.00E+00	µg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.68	—	—	1.00E-01	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.66	—	—	1.00E-01	µg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	µg/L	—	J	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Molybdenum	—	2.3	—	—	2.00E+00	µg/L	J	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.65	—	—	1.00E-01	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.76	—	—	1.00E-01	µg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	µg/L	—	J	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Molybdenum	—	2.4	—	—	2.00E+00	µg/L	J	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.48	—	—	5.00E-01	µg/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.42	—	—	5.00E-01	µg/L	J	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	µg/L	J	J	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.8	Nickel	—	1.8	—	—	5.00E-01	µg/L	J	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.46	—	—	5.00E-01	µg/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.63	—	—	5.00E-01	µg/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	µg/L	J	J	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.8	Nickel	—	2.8	—	—	5.00E-01	µg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	99.5	—	—	5.30E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	93.2	—	—	3.20E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	127	—	—	1.60E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	107	—	—	1.60E-01	mg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8240	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	141	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	70.6	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	µg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	132	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.3	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.1	—	—	1.00E+00	µg/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.8	Thallium	<	0.3	—	—	3.00E-01	µg/L	U	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.49	—	—	3.00E-01	µg/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	µg/L	U	U	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.8	Thallium	<	0.3	—	—	3.00E-01	µg/L	U	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	5.00E-02	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.578	—	—	5.00E-02	µg/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.26	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.32	—	—	5.00E-02	µg/L	—	—	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.567	—	—	5.00E-02	µg/L	—	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	µg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.31	—	—	5.00E-02	µg/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.3	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Vanadium	—	10.1	—	—	1.00E+00	µg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.1	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.2	—	—	1.00E+00	µg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Vanadium	—	13	—	—	1.00E+00	µg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.5	—	—	3.30E+00	µg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	47.3	—	—	2.00E+00	µg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	45.8	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	38.9	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-839	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	F	CS	—	Metals	EPA:200.7	Zinc	—	51.4	—	—	2.00E+00	µg/L	—	—	202111	GF080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	42.3	—	—	3.30E+00	µg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	53	—	—	2.00E+00	µg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	48.2	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2747	GELC
Sandia right fork at Power Plant	n/a	n/a	11/03/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	45.8	—	—	2.00E+00	µg/L	—	—	09-205	CASA-09-840	GELC
Sandia right fork at Power Plant	n/a	n/a	01/28/08	WM	UF	CS	—	Metals	EPA:200.7	Zinc	—	96.5	—	—	2.00E+00	µg/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	Alpha Spec	Americium-241	<	-0.00703	1.75E-03	4.20E-02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Americium-241	<	9.03	1.78E+00	1.85E+01	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	07/23/03	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.35	3.53E-01	3.84E+00	—	pCi/L	U	U	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	07/23/03	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.35	4.63E-01	4.47E+00	—	pCi/L	U	U	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.39	2.07E-01	2.80E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	10.7	2.43E-01	1.59E+00	—	pCi/L	—	J-	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	07/23/03	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.946	2.38E+00	2.39E+01	—	pCi/L	U	U	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	Alpha Spec	Plutonium-238	<	-0.00323	1.87E-03	5.00E-02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	Alpha Spec	Plutonium-239/240	<	0.00647	1.53E-03	5.20E-02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	07/23/03	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	—	63.9	5.20E+00	3.66E+01	—	pCi/L	—	J	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	07/23/03	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.71	3.77E-01	4.26E+00	—	pCi/L	U	U	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	07/23/03	WS	UF	CS	—	Rad	GFPC	Strontium-90	<	-0.29	4.57E-02	4.26E-01	—	pCi/L	U	U	84890	GU03070W12101	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	Alpha Spec	Uranium-234	—	0.0919	5.70E-03	7.60E-02	—	pCi/L	—	J	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	Alpha Spec	Uranium-235/236	<	0.0174	2.76E-03	4.60E-02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	Alpha Spec	Uranium-238	<	0.0149	2.35E-03	5.40E-02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Rad	EPA:901.1	Uranium-238	<	-26.3	1.57E+01	1.50E+02	—	pCi/L	U	U	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Svoa	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.4	—	—	—	µg/L	U	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Svoa	EPA:625	Dichlorobenzene[1,2-]	<	10.3	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Svoa	EPA:625	Dichlorobenzene[1,2-]	<	11.5	—	—	—	µg/L	U	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	4.67	—	—	2.50E-01	µg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	7.8	—	—	—	µg/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Voa	EPA:624	Bromodichloromethane	<	1	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Voa	EPA:624	Bromodichloromethane	<	1	—	—	—	µg/L	U	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromoform	—	2.99	—	—	2.50E-01	µg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Bromoform	<	1	—	—	—	µg/L	U	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Voa	EPA:624	Bromoform	<	1	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Voa	EPA:624	Bromoform	—	2.8	—	—	—	µg/L	—	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	FTB	Voa	SW-846:8260B	Chlorobenzene	—	5.08	—	—	2.50E-01	µg/L	—	—	09-2812	CASA-09-10306	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chlorobenzene	<	1	—	—	—	µg/L	U	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Voa	EPA:624	Chlorobenzene	<	1	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Voa	EPA:624	Chlorobenzene	<	1	—	—	—	µg/L	U	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	4.76	—	—	3.00E-01	µg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	18.5	—	—	—	µg/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Voa	EPA:624	Chlorodibromomethane	<	1	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Voa	EPA:624	Chlorodibromomethane	<	1	—	—	—	µg/L	U	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	2.86	—	—	2.50E-01	µg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	1.9	—	—	—	µg/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Voa	EPA:624	Chloroform	<	1	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Voa	EPA:624	Chloroform	<	1	—	—	—	µg/L	U	—	84890	GU03070W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	08/07/09	WS	UF	CS	FTB	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	—	0.259	—	—	2.50E-01	µg/L	J	J	09-2812	CASA-09-10306	GELC
Sandia right fork at Power Plant	n/a	n/a	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	—	µg/L	U	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	n/a	n/a	06/07/04	WS	UF	CS	—	Voa	EPA:624	Dichlorobenzene[1,2-]	<	1	—	—	—	µg/L	U	—	114589	GU04060W12101	GELC
Sandia right fork at Power Plant	n/a	n/a	07/23/03	WS	UF	CS	—	Voa	EPA:624	Dichlorobenzene[1,2-]	<	1	—	—	—	µg/L	U	—	84890	GU03070W12101	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	147	—	—	7.30E-01	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	147	—	—	7.30E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97	—	—	7.30E-01	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	209	—	—	7.30E-01	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	2.22	—	—	6.60E-02	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	2.14	—	—	6.60E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.517	—	—	6.70E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	31	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.4	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.7	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.2	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	31.2	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.7	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.5	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.9	—	—	3.00E-02	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	12.4	—	—	6.60E-02	mg/L	—	J+	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	11.9	—	—	6.60E-02	mg/L	—	J+	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	9.53	—	—	6.60E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.6	—	—	1.30E-01	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.818	—	—	3.30E-02	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.793	—	—	3.30E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.389	—	—	3.30E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.743	—	—	3.30E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	119	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	120	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	135	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	163	—	—	3.50E-01	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	10.2	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.92	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.7	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.3	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.6	—	—	8.50E-02	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	J	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.296	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.74	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.192	—	—	5.00E-02	mg/L	J	J	09-205	CASA-09-830	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/11/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.65	—	—	5.00E-02	mg/L	—	—	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.63	—	—	5.00E-02	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.637	—	—	5.00E-02	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.349	—	—	5.00E-02	µg/L	—	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.977	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	28.3	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.7	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	20.4	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	28.2	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.4	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	20.9	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	19.8	—	—	5.00E-02	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	41.8	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	43.2	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.6	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.4	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	39.9	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.4	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	44	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.1	—	—	4.50E-02	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	468	—	—	1.00E+00	µS/cm	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	µS/cm	—	—	09-2872	CASA-09-10315	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	266	—	—	1.00E+00	µS/cm	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	561	—	—	1.00E+00	µS/cm	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	59.5	—	—	5.00E-01	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	58.3	—	—	5.00E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.4	—	—	1.00E-01	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	42.2	—	—	2.00E-01	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.8	—	—	1.10E+00	mg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.2	—	—	2.30E+00	mg/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	6	—	—	1.10E+00	mg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	2.30E+00	mg/L	J	J	09-205	CASA-09-8229	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/11/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	6	—	—	2.30E+00	mg/L	J	J	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	498	—	—	2.40E+00	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	488	—	—	2.40E+00	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	259	—	—	2.40E+00	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	499	—	—	2.40E+00	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.892	—	—	3.30E-02	mg/L	—	J	09-2871	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.785	—	—	3.30E-02	mg/L	—	J	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.243	—	—	3.30E-02	mg/L	—	J+	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.691	—	—	2.90E-02	mg/L	—	—	09-847	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.856	—	—	2.90E-02	mg/L	—	J	09-204	CASA-09-829	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	9.89	—	—	3.30E-01	mg/L	—	—	09-2871	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.77	—	—	3.30E-01	mg/L	—	—	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.79	—	—	3.30E-01	mg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	10.7	—	—	3.30E-01	mg/L	—	—	09-847	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.42	—	—	1.50E-02	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.52	—	—	1.50E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.03	—	—	1.50E-02	mg/L	—	J-	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.26	—	—	1.20E-01	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/03/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	4.04	—	—	1.20E-01	mg/L	—	—	09-205	CASA-09-830	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/11/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.37	—	—	2.40E-02	mg/L	—	—	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.52	—	—	1.00E-02	SU	H	J-	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.51	—	—	1.00E-02	SU	H	J-	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.61	—	—	1.00E-02	SU	H	J-	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.67	—	—	1.00E-02	SU	H	J-	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	74.2	—	—	6.80E+01	µg/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	µg/L	U	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	148	—	—	6.80E+01	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	137	—	—	6.80E+01	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	177	—	—	6.80E+01	µg/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	139	—	—	6.80E+01	µg/L	J	J	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6020	Arsenic	—	3.38	—	—	1.50E+00	µg/L	J	J	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.34	—	—	1.50E+00	µg/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.88	—	—	1.50E+00	µg/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	4.4	—	—	1.50E+00	µg/L	J	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	2.99	—	—	1.50E+00	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.48	—	—	1.50E+00	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	µg/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5.2	—	—	1.50E+00	µg/L	—	U	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Barium	—	68.1	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	68.8	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	51.2	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	108	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Barium	—	69.5	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	69.5	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	89.5	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	103	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Boron	—	46.7	—	—	1.50E+01	µg/L	J	J	09-2872	CASA-09-10317	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	48.2	—	—	1.50E+01	µg/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	35.1	—	—	1.00E+01	µg/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	81.4	—	—	1.00E+01	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Boron	—	46.9	—	—	1.50E+01	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.1	—	—	1.50E+01	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.4	—	—	1.00E+01	µg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	83.9	—	—	1.00E+01	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6020	Chromium	—	8.87	—	—	2.50E+00	µg/L	J	J	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	8.86	—	—	2.50E+00	µg/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	4.93	—	—	1.50E+00	µg/L	—	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	7.50E+00	µg/L	J	J	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Chromium	—	9.22	—	—	2.50E+00	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.76	—	—	2.50E+00	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	15	—	—	7.50E+00	µg/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	7.50E+00	µg/L	J	J	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Copper	—	8.84	—	—	3.00E+00	µg/L	J	J	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	9.05	—	—	3.00E+00	µg/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Copper	—	15.8	—	—	3.00E+00	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.9	—	—	3.00E+00	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	µg/L	U	U	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	53.8	—	—	2.50E+01	µg/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	µg/L	U	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Iron	—	65.5	—	—	3.00E+01	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	72	—	—	3.00E+01	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	80.4	—	—	2.50E+01	µg/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	2.50E+01	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	µg/L	U	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.62	—	—	5.00E-01	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.595	—	—	5.00E-01	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.578	—	—	5.00E-01	µg/L	J	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.65	—	—	5.00E-01	µg/L	J	J	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Manganese	—	10.6	—	—	2.00E+00	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.4	—	—	2.00E+00	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	27.8	—	—	2.00E+00	µg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	11.1	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	13	—	—	2.00E+00	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.8	—	—	2.00E+00	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	24.8	—	—	2.00E+00	µg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	16.3	—	—	2.00E+00	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	2.78	—	—	1.00E-01	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.74	—	—	1.00E-01	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	µg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.7	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	2.83	—	—	1.00E-01	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.45	—	—	1.00E-01	µg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.6	—	—	1.00E-01	µg/L	—	J	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.795	—	—	5.00E-01	µg/L	J	J	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	0.828	—	—	5.00E-01	µg/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	µg/L	J	J	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.732	—	—	5.00E-01	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.735	—	—	5.00E-01	µg/L	J	J	09-2872	CASA-09-10313	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	µg/L	U	U	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6020	Selenium	—	2.21	—	—	1.00E+00	µg/L	J	J	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	2.24	—	—	1.00E+00	µg/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Selenium	—	2.33	—	—	1.00E+00	µg/L	J	J	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.38	—	—	1.00E+00	µg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	µg/L	U	U	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	177	—	—	2.70E-01	mg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	173	—	—	2.70E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	104	—	—	3.20E-02	mg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	178	—	—	1.60E-01	mg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Strontium	—	139	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	218	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.775	—	—	5.00E-02	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.787	—	—	5.00E-02	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.587	—	—	5.00E-02	µg/L	—	U	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.766	—	—	5.00E-02	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.79	—	—	5.00E-02	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	µg/L	—	J	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	22.1	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	22.3	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	20.3	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	28.5	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2738	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	22.4	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	22.4	—	—	1.00E+00	µg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	20.3	—	—	1.00E+00	µg/L	—	—	09-1792	CASA-09-8226	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	02/09/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	28.8	—	—	1.00E+00	µg/L	—	—	09-849	CASA-09-2737	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0231	3.67E-03	3.40E-02	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	HASL-300	Americium-241	<	0.00156	1.57E-03	4.40E-02	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00078	7.00E-04	3.60E-02	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00496	1.40E-03	3.80E-02	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.74	3.67E-01	3.70E+00	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.512	3.67E-01	3.00E+00	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.247	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.279	4.33E-01	4.50E+00	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.89	4.33E-01	4.70E+00	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.902	2.70E-01	3.00E+00	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	1.82	4.00E-01	4.50E+00	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.102	4.33E-01	4.10E+00	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:900	Gross alpha/beta	<	0.556	1.10E-01	1.10E+00	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	-0.961	1.53E-01	2.90E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/21/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	25.9	5.33E-01	3.07E+00	—	pCi/L	—	—	181199	GF070200PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	10/17/06	WP	F	CS	—	Rad	EPA:900	Gross beta	—	6.13	3.70E-01	2.69E+00	—	pCi/L	—	J	174497	GF061000PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:900	Gross beta	—	22.5	8.33E-01	2.60E+00	—	pCi/L	—	—	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/21/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	9.92	4.13E-01	3.01E+00	—	pCi/L	—	—	181199	GU070200PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	10/17/06	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	6.97	2.72E-01	1.85E+00	—	pCi/L	—	—	174497	GU061000PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	78.9	2.10E+01	2.50E+02	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:901.1	Gross gamma	<	65.7	2.93E+01	2.60E+02	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	25.4	5.67E+00	3.00E+01	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	88	2.43E+01	2.80E+02	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.07	2.90E+00	2.60E+01	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.89	2.17E+00	2.10E+01	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-12.2	3.33E+00	3.30E+01	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-27	4.00E+00	3.30E+01	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00773	5.00E-03	3.50E-02	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00999	5.00E-03	4.60E-02	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00511	1.20E-03	4.10E-02	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00183	3.17E-03	3.40E-02	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00193	3.67E-03	4.20E-02	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.013	3.30E-03	4.40E-02	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00255	1.90E-03	5.00E-02	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00548	2.37E-03	3.90E-02	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	—	117	7.33E+00	3.80E+01	—	pCi/L	—	—	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:901.1	Potassium-40	—	75.8	4.67E+00	2.40E+01	—	pCi/L	—	—	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	48.7	8.33E+00	5.30E+01	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	37.7	5.67E+00	3.80E+01	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.986	5.00E-01	3.80E+00	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0266	2.50E-01	2.50E+00	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.106	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.1	4.33E-01	3.80E+00	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.134	4.67E-02	4.90E-01	—	pCi/L	U	U	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0816	3.13E-02	3.20E-01	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.237	5.00E-02	4.90E-01	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0409	4.33E-02	4.60E-01	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Thorium-228	<	0.013	5.00E-03	1.60E-01	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Rad	HASL-300	Thorium-228	<	-0.0198	5.00E-03	1.90E-01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/17/06	WP	UF	CS	—	Rad	Alpha Spec	Thorium-228	<	-0.206	9.20E-02	2.33E+00	—	pCi/L	U	U	163267	GU060500PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Thorium-230	<	0.0289	4.00E-03	1.80E-01	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Rad	HASL-300	Thorium-230	<	0.168	1.03E-02	2.00E-01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/17/06	WP	UF	CS	—	Rad	Alpha Spec	Thorium-230	<	1.46	1.15E-01	4.33E+00	—	pCi/L	U	U	163267	GU060500PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Thorium-232	<	0.0277	4.33E-03	5.90E-02	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	—	Rad	HASL-300	Thorium-232	<	-0.00242	1.80E-03	6.80E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	05/17/06	WP	UF	CS	—	Rad	Alpha Spec	Thorium-232	<	0.169	4.23E-02	1.07E+00	—	pCi/L	U	U	163267	GU060500PSFS01	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.465	1.33E-02	7.00E-02	—	pCi/L	—	—	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.53E-02	8.00E-02	—	pCi/L	—	—	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.409	1.57E-02	1.10E-01	—	pCi/L	—	—	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.428	1.33E-02	7.90E-02	—	pCi/L	—	—	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0435	3.67E-03	3.40E-02	—	pCi/L	—	—	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0207	3.00E-03	4.10E-02	—	pCi/L	U	U	08-181	CASA-08-8655	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	-0.00397	2.97E-03	6.30E-02	—	pCi/L	U	U	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0358	4.00E-03	3.90E-02	—	pCi/L	U	U	08-636	CASA-08-10849	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	02/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.279	9.33E-03	4.10E-02	—	pCi/L	—	—	08-636	CASA-08-10848	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	11/14/07	WP	F	CS	—	Rad	HASL-300	Uranium-238	—	0.232	9.33E-03	5.00E-02	—	pCi/L	—	—	08-181	CASA-08-8655	GELC

Table C-4 Sandia Analytical Results

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	n/a	n/a	08/13/09	WS	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.235	1.10E-02	5.80E-02	—	pCi/L	—	—	09-2873	CASA-09-10318	GELC
South Fork of Sandia Canyon at E122	n/a	n/a	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	n/a	n/a	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	n/a	n/a	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
South Fork of Sandia Canyon at E122	n/a	n/a	02/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.267	9.67E-03	4.70E-02	—	pCi/L	—	—	08-636	CASA-08-10849	GELC

^a — = None.

^b n/a = Not applicable.

Appendix D

Analytical Chemistry Screening Results

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

Acronyms and Abbreviations

Code	Description
Field Prep Codes	
ASHED	Ashed
CRUSH	Crushed
F	Filtered
NA	Not Analyzed
SV	Sieved
UA	Unassigned
UF	Unfiltered
UNK	Unknown
Field QC Type Codes	
CO	Collocated
EQB	Equipment Blank
FB	Field Blank
FD	Field Duplicate
FPR	Field Prepared Reagent
FPS	Field Prepared Spike
FR	Field Rinsate
FS	Field Split
FTB	Field Trip Blank
FTR	Field Triplicate
INB	Equipment blank taken during installation and not associated with a sampling event
ITB	Trip blank taken during installation and not associated with a sampling event
n/a	Not Applicable
PE	Performance Evaluation
PEB	Performance Evaluation Blank
PEK	Performance Evaluation Known
RES	Resample
SS	Special Sampling Event, Data Unique
UA	Unassigned
Suite Codes	
DIOX/FUR	Dioxins and Furans
DRO	Diesel Range Organics
GENINORG	General Inorganics
HERB	Herbicides

Acronyms and Abbreviations (continued)

Code	Description
HEXP	High Explosives
METALS	Metal
PEST/PCB	Pesticides and PCBs
RAD	Radionuclides
SVOA	Semivolatile Organics
VOA	Volatile Organics
Lab Sample Type Codes	
BLIND	Blind Quality Control
BS	Blank Spike
BSD	Blank Spike Duplicate
CS	Client Sample
DL	Dilution
DUP	Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LCST	Laboratory Control Sample Triplicate
MB	Method Blank
MBD	Method Blank Duplicate
MBT	Method Blank Triplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MSQD	Matrix Spike Quadruplicate
MSQT	Fifth Matrix Spike
MST	Matrix Spike Triplicate
QNT	Fifth Replicate
QUD	Quadruplicate
RE	Reanalysis
REDP	Reanalysis Duplicate
RETRP	Reanalysis Triplicate
RI	Reissue
RID	Reissue Duplicate
SXT	Sixth Replicate
TOTC	Calculated Total
TOTCD	Calculated Total for a Duplicate
TRP	Triplicate

Analytical Laboratory Qualifier Codes

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

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

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

Zone	Location	Well Class	Port Depth (ft)	Date	Field Prep Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-46	SINGLE	1340	05/13/09	UF	<	0.13	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	U	U	R5
Regional	R-46	SINGLE	1340	05/13/09	UF	<	0.06	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	U	U	R5
Intermediate Spring	Pine Rock Spring	SPRING	—*	05/13/09	UF	—	23.79	0.80	0.28737	pCi/L	Generic:Low_Level_Tritium	—	—	—

* — None.

**Table D-2
Mortandad Surface Water Metals**

Field Matrix Code	Location	Date	Analyte	Field Prep Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute 100 mg (F)	Ratio (Result/Screening Level)	NM Aquatic Chronic 100 mg (F)	Ratio (Result/Screening Level)	NM Human Health (F)	Ratio (Result/Screening Level)
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Al	F	749	68	µg/L	GELC	—*	—	—	SW-846:6010B	750	1	87	8.61	—	—
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Cu	F	5.56	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	9	0.62	—	—
WS	M-1E	08/17/09	Al	F	170	68	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	87	1.95	—	—
WS	E-1FW	08/18/09	Al	F	138	68	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	87	1.59	—	—
WS	E-1FW	08/18/09	As	F	5.71	1.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	—	—	9	0.63
WS	E-1FW	08/18/09	Cu	F	5.9	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	9	0.66	—	—
WS	M-1W	08/17/09	Al	F	911	68	µg/L	GELC	—	—	—	SW-846:6010B	750	1.21	87	10.47	—	—
WS	M-1W	08/17/09	Cd	F	0.118	0.11	µg/L	GELC	J	J	J_LAB	SW-846:6020	—	—	0.2	0.59	—	—
WS	M-1W	08/17/09	Pb	F	10.9	0.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	2.5	4.36	—	—
WS	M-1W	08/17/09	Zn	F	75.3	3.3	µg/L	GELC	—	—	—	SW-846:6010B	117.2	0.64	118	0.64	—	—
WS	TS-2E	08/18/09	Cu	F	7.18	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	13.4	0.54	9	0.8	—	—

* — None.

**Table D-3
Mortandad Surface Water Organics**

Field Matrix Code	Location	Date	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code
WS	Mortandad below Effluent Canyon (E200)	08/18/09	UF	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	8.14E-06	8.14E-06	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC
WS	Mortandad below Effluent Canyon (E200)	08/18/09	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	1.66E-05	1.66E-05	µg/L	1	—*	—	—	SW-846:8290	ALTC
WS	Mortandad below Effluent Canyon (E200)	08/18/09	UF	DIOX/FUR	Hexachlorodibenzofurans (Total)	1.6E-06	1.6E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	Mortandad below Effluent Canyon (E200)	08/18/09	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	7.92E-05	7.92E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	Mortandad below Effluent Canyon (E200)	08/18/09	UF	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.19E-06	5.19E-06	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.000199	0.000199	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	0.0005	0.0005	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	3.48E-05	3.48E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.65E-06	3.65E-06	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Heptachlorodibenzofurans (Total)	0.000139	0.000139	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.44E-06	4.44E-06	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Hexachlorodibenzodioxins (Total)	2.61E-05	2.61E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Hexachlorodibenzofurans (Total)	2.21E-05	2.21E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00293	0.00293	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.00021	0.00021	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1E	08/17/09	UF	DIOX/FUR	Pentachlorodibenzofurans (Totals)	4.24E-06	4.24E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.00008	0.00008	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	0.000166	0.000166	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.71E-05	2.71E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Heptachlorodibenzofurans (Total)	9.47E-05	9.47E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Hexachlorodibenzodioxins (Total)	2.51E-05	2.51E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Hexachlorodibenzofurans (Total)	0.000025	0.000025	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.000738	0.000738	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	9.83E-05	9.83E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Pentachlorodibenzodioxins (Total)	2.69E-06	2.69E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	E-1FW	08/18/09	UF	DIOX/FUR	Pentachlorodibenzofurans (Totals)	2.51E-06	2.51E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.22E-05	4.22E-05	µg/L	1	—	—	—	SW-846:8290	ALTC

Table D-3 (continued)

Field Matrix Code	Location	Date	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code
WS	M-1W	08/17/09	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	0.00009	0.00009	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	6.57E-06	6.57E-06	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Heptachlorodibenzofurans (Total)	2.05E-05	2.05E-05	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Hexachlorodibenzofurans (Total)	9.09E-06	9.09E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00061	0.00061	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.93E-05	1.93E-05	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Pentachlorodibenzofurans (Totals)	8.72E-06	8.72E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	M-1W	08/17/09	UF	DIOX/FUR	Tetrachlorodibenzofurans (Totals)	3.21E-06	3.21E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	TS-2E	08/18/09	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	2.98E-06	2.98E-06	µg/L	1	—	—	—	SW-846:8290	ALTC
WS	TS-2E	08/18/09	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.25E-05	1.25E-05	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC

* — None.

Table D-4
Mortandad Surface Water Perchlorate

Field Matrix Code	Location	Date	Field Prep Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	Mortandad below Effluent Canyon (E200)	08/18/09	F	SW-846:6850	—*	0.106	0.05	µg/L	1	J	J	J_LAB	GELC
WS	M-1E	08/17/09	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
WS	M-1W	08/17/09	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
WS	TS-2E	08/18/09	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
WS	E-1FW	08/18/09	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

* — None.

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

Field Matrix Code	Location	Date	Analyte	Field Prep Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE BCG Water	Ratio (Result/Screening Level)	NM Livestock Watering STD	Ratio (Result/Screening Level)	NMED Radiation Protection	Ratio (Result/Screening Level)
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Am-241	UF	—*	2.66	0.17	0.032	pCi/L	GELC	HASL-300:AM-241	—*	J-	R3a	400	0.01	—	—	20	0.13
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Cs-137	UF	—	57.6	3.7	4	pCi/L	GELC	EPA:901.1	—	—	—	40	1.44	—	—	1000	0.06
WS	Mortandad below Effluent Canyon (E200)	08/18/09	GROSSAB	UF	—	10.7	1.8	2.9	pCi/L	GELC	EPA:900	—	J+	R6b	—	—	—	—	—	—
WS	Mortandad below Effluent Canyon (E200)	08/18/09	H-3	UF	—	2870	320	230	pCi/L	GELC	EPA:906.0	—	—	—	300000000	—	20000	0.14	1000000	—
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Pu-238	UF	—	2.02	0.11	0.031	pCi/L	GELC	HASL-300:ISOPU	—	—	—	—	—	—	—	20	0.1
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Pu-239/240	UF	—	3.26	0.18	0.034	pCi/L	GELC	HASL-300:ISOPU	—	—	—	200	0.02	—	—	20	0.16
WS	Mortandad below Effluent Canyon (E200)	08/18/09	Sr-90	UF	—	6.66	0.67	0.42	pCi/L	GELC	EPA:905.0	—	—	—	300	0.02	—	—	500	0.01
WS	E-1FW	08/18/09	GROSSAB	UF	—	8.53	1.6	2.9	pCi/L	GELC	EPA:900	—	J+	R6b	—	—	—	—	—	—
WS	M-1W	08/17/09	GROSSAB	UF	—	11.4	1.7	2.9	pCi/L	GELC	EPA:900	—	—	—	—	—	—	—	—	—
WS	M-1W	08/17/09	Pu-238	UF	—	0.117	0.015	0.026	pCi/L	GELC	HASL-300:ISOPU	—	—	—	—	—	—	—	20	0.01
WS	TS-2E	08/18/09	GROSSAB	UF	<	0.905	0.31	0.9	pCi/L	GELC	EPA:900	—	U	R11	—	—	—	—	—	—
WS	TS-2E	08/18/09	Sr-90	UF	—	13.6	1.4	1.3	pCi/L	GELC	EPA:905.0	—	—	—	300	0.05	—	—	500	0.03

* — None.

**Table D-6
Mortandad Groundwater Metals**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Prep Code	Field QC Type Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	Fe	F	—*	8770	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	8.77
Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	Mn	F	—	2290	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	11.45
Alluvial	MCO-2	SINGLE	2	08/12/09	As	F	FD	8.08	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.81	—	—
Alluvial	MCO-2	SINGLE	2	08/12/09	As	F	—	8.33	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.83	—	—
Alluvial	MCO-2	SINGLE	2	08/12/09	As	UF	FD	8.74	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.87	—	—
Alluvial	MCO-2	SINGLE	2	08/12/09	As	UF	—	8.69	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.87	—	—
Alluvial	MCO-2	SINGLE	2	08/12/09	Fe	F	FD	1130	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	1.13
Alluvial	MCO-2	SINGLE	2	08/12/09	Fe	F	—	1130	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	1.13
Alluvial	MCO-2	SINGLE	2	08/12/09	Mn	F	FD	506	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.53
Alluvial	MCO-2	SINGLE	2	08/12/09	Mn	F	—	506	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.53
Alluvial	MCA-1	SINGLE	2.4	08/06/09	Al	F	—	3850	68	µg/L	GELC	—	—	—	SW-846:6010B	—	—	5000	0.77
Alluvial	MCA-1	SINGLE	2.4	08/06/09	Fe	F	—	2220	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	2.22
Intermediate	MCOI-6	SINGLE	686	08/19/09	Cr	F	FD	44.9	2.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	50	0.9
Intermediate	MCOI-6	SINGLE	686	08/19/09	Cr	F	—	47.5	2.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	50	0.95
Intermediate	MCOI-6	SINGLE	686	08/19/09	Cr	UF	—	50	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.5	—	—
Intermediate	MCOI-6	SINGLE	686	08/19/09	Cr	F	—	44.3	2.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	50	0.89
Regional	R-46	SINGLE	1340	06/17/09	Sb	UF	—	4.52	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.75	—	—
Regional	R-46	SINGLE	1340	08/10/09	Sb	F	—	5.29	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.88	—	—
Regional	R-46	SINGLE	1340	08/10/09	Sb	UF	—	3.93	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.66	—	—
Regional	R-42	SINGLE	931.8	08/14/09	Cr	F	—	955	25	µg/L	GELC	—	—	—	SW-846:6020	100	9.55	50	19.1
Regional	R-42	SINGLE	931.8	08/14/09	Cr	F	—	1000	63	µg/L	GELC	—	—	—	SW-846:6020	100	10	50	20
Regional	R-42	SINGLE	931.8	08/14/09	Cr	UF	—	1000	63	µg/L	GELC	—	—	—	SW-846:6020	100	10	—	—
Regional	R-28	SINGLE	934.3	08/13/09	Cr	F	—	383	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	3.83	50	7.66
Regional	R-28	SINGLE	934.3	08/13/09	Cr	UF	—	395	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	3.95	—	—

* — None.

**Table D-7
Mortandad Groundwater Organics**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	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 (C)	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level (N)	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	FTB	UF	VOA	Chloromethane	0.31	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—*	—	—	—	190	—	—	—
Alluvial	MCO-2	SINGLE	2	08/12/09	—	UF	VOA	Isobutyl alcohol	24.9	13	µg/L	1	J	J	V7b	SW-846:8260B	GELC	—	—	—	—	11000	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.0000114	0.0000114	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	0.0000254	0.0000254	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	DIOX/FUR	Heptachlorodibenzofurans (Total)	0.00000491	0.00000491	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00012	0.00012	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	DIOX/FUR	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.00000627	0.00000627	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	PEST/PCB	BHC[delta-]	0.0104	0.0063	µg/L	1	JP	J	J_LAB	SW-846:8081A	GELC	—	—	—	—	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	—	UF	PEST/PCB	BHC[gamma-]	0.0101	0.0063	µg/L	1	JP	J	J_LAB	SW-846:8081A	GELC	0.2	0.05	0.61	0.02	—	—	—	—
Alluvial	MCA-1	SINGLE	2.4	08/06/09	FTB	UF	VOA	Chloromethane	0.39	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	MCO-4B	SINGLE	8.9	08/18/09	—	UF	VOA	Toluene	0.594	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Intermediate	MCOI-4	SINGLE	499	08/07/09	—	UF	SVOA	Dioxane[1,4-]	34.1	2.5	µg/L	1	—	J	SV7c	SW-846:8270C	GELC	—	—	61	0.56	—	—	—	—
Intermediate	MCOI-4	SINGLE	499	08/07/09	FTB	UF	VOA	Chlorobenzene	4.94	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	100	0.05	—	—	91	0.05	—	—
Intermediate	MCOI-4	SINGLE	499	08/07/09	FTB	UF	VOA	Dichlorobenzene[1,2-]	0.27	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	600	—	—	—	370	—	—	—
Intermediate	MCOI-5	SINGLE	689	08/06/09	—	UF	SVOA	Dioxane[1,4-]	6.17	2.2	µg/L	1	J	J	SV7c	SW-846:8270C	GELC	—	—	61	0.1	—	—	—	—
Regional	R-46	SINGLE	1340	06/17/09	—	UF	DIOX/FUR	Heptachlorodibenzodioxins (Total)	0.000000932	0.000000932	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-46	SINGLE	1340	06/17/09	FD	UF	SVOA	Bis(2-ethylhexyl)phthalate	38.2	2.2	µg/L	1	—	—	—	SW-846:8270C	GELC	6	6.37	48	0.8	—	—	—	—
Regional	R-46	SINGLE	1340	06/17/09	—	UF	SVOA	Bis(2-ethylhexyl)phthalate	30.8	2.2	µg/L	1	—	—	—	SW-846:8270C	GELC	6	5.13	48	0.64	—	—	—	—
Regional	R-46	SINGLE	1340	08/10/09	FD	UF	SVOA	Bis(2-ethylhexyl)phthalate	39.1	2	µg/L	1	—	—	—	SW-846:8270C	GELC	6	6.52	48	0.81	—	—	—	—
Regional	R-46	SINGLE	1340	08/10/09	—	UF	SVOA	Bis(2-ethylhexyl)phthalate	26	2.1	µg/L	1	—	—	—	SW-846:8270C	GELC	6	4.33	48	0.54	—	—	—	—
Regional	R-46	SINGLE	1340	08/10/09	FD	UF	SVOA	Di-n-octylphthalate	3.07	3	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	—	—	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	08/19/09	FD	UF	SVOA	Dioxane[1,4-]	11	2	µg/L	1	—	J	SV7c	SW-846:8270C	GELC	—	—	61	0.18	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	08/19/09	—	UF	SVOA	Dioxane[1,4-]	10.9	2	µg/L	1	—	J	SV7c	SW-846:8270C	GELC	—	—	61	0.18	—	—	—	—
Regional	R-46	SINGLE	1340	06/17/09	FD	UF	VOA	Acetone	19.5	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-46	SINGLE	1340	06/17/09	—	UF	VOA	Acetone	16.8	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-46	SINGLE	1340	08/10/09	FD	UF	VOA	Acetone	34.5	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-46	SINGLE	1340	08/10/09	—	UF	VOA	Acetone	20.1	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Intermediate	MCOI-6	SINGLE	686	08/19/09	PEB	UF	VOA	Chloroform	0.255	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.13	—	—	100	—
Regional	R-46	SINGLE	1340	06/17/09	FD	UF	VOA	Toluene	6.37	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	0.01	—	—	2300	—	750	0.01

Table D-7 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	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 (C)	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level (N)	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Regional	R-46	SINGLE	1340	06/17/09	—	UF	VOA	Toluene	3.3	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-46	SINGLE	1340	08/10/09	FD	UF	VOA	Toluene	3.05	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-46	SINGLE	1340	08/10/09	—	UF	VOA	Toluene	4.58	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	0.01
Regional	R-14	SINGLE	1200.6	08/07/09	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000203	0.00000203	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-14	SINGLE	1200.6	08/07/09	FTB	UF	VOA	Chlorobenzene	4.96	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	100	0.05	—	—	91	0.05	—	—
Regional	R-14	SINGLE	1200.6	08/07/09	—	UF	VOA	Chloromethane	0.776	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	Test Well 8	SINGLE	953	06/24/09	FD	UF	VOA	Chloromethane	0.336	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	Test Well 8	SINGLE	953	06/24/09	—	UF	VOA	Chloromethane	0.484	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	Test Well 8	SINGLE	953	06/24/09	FD	UF	VOA	Toluene	0.378	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	Test Well 8	SINGLE	953	06/24/09	—	UF	VOA	Toluene	0.414	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-33	MULTI	995.5	08/14/09	FD	UF	VOA	Chloromethane	0.36	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	R-42	SINGLE	931.8	08/14/09	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000298	0.00000298	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-45	MULTI	880	08/19/09	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000226	0.00000226	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-45	MULTI	880	07/16/09	—	UF	HEXP	Dinitrobenzene[1,3-]	0.167	0.12	µg/L	2	J	J	J_LAB	SW-846:8321A_MOD	GELC	—	—	—	—	3.7	0.05	—	—
Regional	R-45	MULTI	880	07/16/09	FD	UF	VOA	Acetone	42.5	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-45	MULTI	880	07/16/09	—	UF	VOA	Acetone	18.1	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-45	MULTI	880	07/16/09	FB	UF	VOA	Chloroform	0.526	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.28	—	—	100	0.01
Regional	R-45	MULTI	974.9	08/19/09	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000246	0.00000246	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-45	MULTI	974.9	07/16/09	FB	UF	VOA	Chloroform	0.549	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.29	—	—	100	0.01
Regional	R-44	MULTI	895	07/14/09	FD	UF	VOA	Acetone	26.7	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-44	MULTI	895	07/14/09	—	UF	VOA	Acetone	24.6	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-44	MULTI	895	07/14/09	FB	UF	VOA	Chloroform	1.99	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	80	0.02	1.9	1.05	—	—	100	0.02
Regional	R-44	MULTI	985.3	08/17/09	—	UF	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.0000028	0.0000028	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-44	MULTI	985.3	08/17/09	FD	UF	VOA	Acetone	21.5	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-44	MULTI	985.3	08/17/09	—	UF	VOA	Acetone	21.6	3.5	µg/L	1	—	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-44	MULTI	985.3	07/14/09	FB	UF	VOA	Chloroform	1.94	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	80	0.02	1.9	1.02	—	—	100	0.02
Regional	R-13	SINGLE	958.3	08/06/09	FD	UF	SVOA	Bis(2-ethylhexyl)phthalate	3.6	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.6	48	0.08	—	—	—	—
Regional	R-16r	SINGLE	600	08/11/09	FTB	UF	VOA	Acetone	8.17	3.5	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	22000	—	—	—
Regional	R-16r	SINGLE	600	08/11/09	FTB	UF	VOA	Chlorobenzene	4.79	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	100	0.05	—	—	91	0.05	—	—
Regional	R-16r	SINGLE	600	08/11/09	FTB	UF	VOA	Chloromethane	0.409	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—

* — None.

**Table D-8
Mortandad Groundwater Inorganics**

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Prep Code	Field QC Type Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Cl(-1)	Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	F	—*	225	3.3	mg/L	GELC	—	—	—	—	—	250	0.9
CIO4	Alluvial	MCO-4B	SINGLE	8.9	08/18/09	F	—	9.23	1.3	µg/L	GELC	—	—	—	15	0.62	—	—
CIO4	Alluvial	MCO-5	SINGLE	21	08/17/09	F	—	8.78	1	µg/L	GELC	—	—	—	15	0.59	—	—
CIO4	Alluvial	MCO-7	SINGLE	39	08/13/09	F	—	12	1.3	µg/L	GELC	—	—	—	15	0.8	—	—
CIO4	Alluvial	MCO-7.5	SINGLE	35	08/05/09	F	FD	21.9	1.3	µg/L	GELC	—	—	—	15	1.46	—	—
CIO4	Alluvial	MCO-7.5	SINGLE	35	08/05/09	F	—	21.3	1.3	µg/L	GELC	—	—	—	15	1.42	—	—
CIO4	Intermediate	MCOI-4	SINGLE	499	08/07/09	F	—	64.8	5	µg/L	GELC	—	—	—	15	4.32	—	—
CIO4	Intermediate	MCOI-5	SINGLE	689	08/06/09	F	—	85.6	10	µg/L	GELC	—	—	—	15	5.71	—	—
CIO4	Intermediate	MCOI-6	SINGLE	686	08/19/09	F	FD	104	10	µg/L	GELC	—	—	—	15	6.93	—	—
CIO4	Intermediate	MCOI-6	SINGLE	686	08/19/09	F	—	95.2	10	µg/L	GELC	—	—	—	15	6.35	—	—
F(-1)	Alluvial	MCO-6	SINGLE	27	08/12/09	F	—	0.875	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.55
F(-1)	Alluvial	MCO-7	SINGLE	39	08/13/09	F	—	1.07	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.67
F(-1)	Alluvial	MCO-7.5	SINGLE	35	08/05/09	F	FD	1.32	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.83
F(-1)	Alluvial	MCO-7.5	SINGLE	35	08/05/09	F	—	1.33	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.83
NO3+NO2-N	Intermediate	MCOI-4	SINGLE	499	08/07/09	F	—	9.68	0.1	mg/L	GELC	—	—	—	10	0.97	10	0.97
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	08/19/09	F	FD	11.7	0.25	mg/L	GELC	—	—	—	10	1.17	10	1.17
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	08/19/09	F	—	11.6	0.25	mg/L	GELC	—	—	—	10	1.16	10	1.16
NO3+NO2-N	Regional	R-42	SINGLE	931.8	08/14/09	F	—	6.08	0.1	mg/L	GELC	—	—	—	10	0.61	10	0.61
TDS	Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	F	—	733	2.4	mg/L	GELC	—	—	—	—	—	1000	0.73

* — None.

**Table D-9
Mortandad Groundwater Perchlorate**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	MCO-0.6	SINGLE	1	08/06/09	—*	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	MCO-2	SINGLE	2	08/12/09	—	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	MCO-2	SINGLE	2	08/12/09	FD	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	MCA-1	SINGLE	2	08/06/09	—	F	SW-846:6850	—	0.0945	0.05	µg/L	1	J	J	J_LAB	GELC
Alluvial	MCO-3	SINGLE	2	08/12/09	—	F	SW-846:6850	—	0.421	0.05	µg/L	1	—	—	—	GELC
Alluvial	MCO-4B	SINGLE	9	08/18/09	—	F	SW-846:6850	—	9.23	1.3	µg/L	25	—	—	—	GELC
Alluvial	MCO-5	SINGLE	21	08/17/09	—	F	SW-846:6850	—	8.78	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-6	SINGLE	27	08/12/09	—	F	SW-846:6850	—	7.26	1	µg/L	20	—	—	—	GELC
Alluvial	MCO-7	SINGLE	39	08/13/09	—	F	SW-846:6850	—	12	1.3	µg/L	25	—	—	—	GELC
Alluvial	MCO-7.5	SINGLE	35	08/05/09	—	F	SW-846:6850	—	21.3	1.3	µg/L	25	—	—	—	GELC
Alluvial	MCO-7.5	SINGLE	35	08/05/09	FD	F	SW-846:6850	—	21.9	1.3	µg/L	25	—	—	—	GELC
Intermediate	MCOI-4	SINGLE	499	08/07/09	—	F	SW-846:6850	—	64.8	5	µg/L	100	—	—	—	GELC
Intermediate	MCOI-5	SINGLE	689	08/06/09	—	F	SW-846:6850	—	85.6	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	08/19/09	PEB	UF	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	MCOI-6	SINGLE	686	08/19/09	PEB	UF	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	MCOI-6	SINGLE	686	08/19/09	—	F	SW-846:6850	—	95.2	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	08/19/09	FD	F	SW-846:6850	—	104	10	µg/L	200	—	—	—	GELC
Regional	R-46	SINGLE	1340	06/17/09	—	F	SW-846:6850	—	0.317	0.05	µg/L	1	—	—	—	GELC
Regional	R-46	SINGLE	1340	08/10/09	—	F	SW-846:6850	—	0.278	0.05	µg/L	1	—	—	—	GELC
Regional	R-14	SINGLE	1201	08/07/09	—	F	SW-846:6850	—	0.288	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	08/13/09	—	F	SW-846:6850	—	0.354	0.05	µg/L	1	—	—	—	GELC
Regional	Test Well 8	SINGLE	953	06/24/09	—	F	SW-846:6850	—	0.341	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	996	08/14/09	—	F	SW-846:6850	—	0.404	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	1112	08/14/09	—	F	SW-846:6850	—	0.38	0.05	µg/L	1	—	—	—	GELC
Regional	R-15	SINGLE	959	08/06/09	—	F	SW-846:6850	—	7.01	0.5	µg/L	10	—	—	—	GELC
Regional	R-15	SINGLE	959	08/06/09	FD	F	SW-846:6850	—	7.38	0.5	µg/L	10	—	—	—	GELC
Regional	R-42	SINGLE	932	08/14/09	—	F	SW-846:6850	—	1.24	0.2	µg/L	4	—	—	—	GELC

Table D-9 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Zone
Regional	R-28	SINGLE	934	08/13/09	—	F	SW-846:6850	—	0.974	0.1	µg/L	2	—	—	—	GELC
Regional	R-45	MULTI	880	07/16/09	—	F	SW-846:6850	—	0.486	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	880	08/19/09	—	F	SW-846:6850	—	0.561	0.05	µg/L	1	—	J+	PE12f	GELC
Regional	R-45	MULTI	975	07/16/09	—	F	SW-846:6850	—	0.385	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	08/19/09	—	F	SW-846:6850	—	0.407	0.05	µg/L	1	—	J+	PE12f	GELC
Regional	R-44	MULTI	895	07/14/09	—	F	SW-846:6850	—	0.415	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	08/17/09	—	F	SW-846:6850	—	0.382	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	07/14/09	—	F	SW-846:6850	—	0.359	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	07/14/09	FD	F	SW-846:6850	—	0.371	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	08/17/09	—	F	SW-846:6850	—	0.4	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	08/06/09	—	F	SW-846:6850	—	0.385	0.05	µg/L	1	—	—	—	GELC
Regional	R-34	SINGLE	884	08/12/09	—	F	SW-846:6850	—	0.304	0.05	µg/L	1	—	—	—	GELC
Regional	R-16r	SINGLE	600	08/11/09	—	F	SW-846:6850	—	0.341	0.05	µg/L	1	—	—	—	GELC

* — None.

**Table D-10
Mortandad Groundwater Tritium**

Zone	Location	Well Class	Port Depth (ft)	Date	Field Prep Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	UF	—*	—	44.06	1.60	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-46	SINGLE	1340	06/17/09	UF	—	<	-0.16	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-46	SINGLE	1340	08/10/09	UF	—	<	-0.13	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-14	SINGLE	1200.6	08/07/09	UF	—	<	-0.03	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-15	SINGLE	958.6	08/06/09	UF	FD	—	30.33	0.96	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-15	SINGLE	958.6	08/06/09	UF	—	—	29.69	0.96	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-45	MULTI	880	07/16/09	UF	—	—	1.56	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-45	MULTI	974.9	07/16/09	UF	—	—	0.96	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-44	MULTI	895	07/14/09	UF	—	<	0.32	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-44	MULTI	985.3	07/14/09	UF	FD	<	0.32	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-44	MULTI	985.3	07/14/09	UF	—	<	0.13	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-13	SINGLE	958.3	08/06/09	UF	—	<	-0.16	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16r	SINGLE	600	08/11/09	UF	—	<	0.35	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11

* — None.

Table D-11
Mortandad Groundwater Radionuclides

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Prep Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE DW DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	EPA Secondary Drinking Water Level	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)	NMED Radiation Protection	Ratio (Result/Screening Level)
Alluvial	MCO-0.6	SINGLE	1.05	08/06/09	Sr-90	UF	—*	—	0.655	0.13	0.29	pCi/L	GELC	EPA:905.0	—	—	—	1000	—	40	0.02	8	0.08	—	—	—	—	500	----
Alluvial	MCO-2	SINGLE	2	08/12/09	Th-228	UF	FD	—	0.139	0.02	0.092	pCi/L	GELC	HASL-300:ISOTH	—	—	—	400	—	16	0.01	—	—	—	—	—	—	—	----
Alluvial	MCO-2	SINGLE	2	08/12/09	Th-228	UF	—	—	0.115	0.017	0.087	pCi/L	GELC	HASL-300:ISOTH	—	—	—	400	—	16	0.01	—	—	—	—	—	—	—	----
Alluvial	MCO-2	SINGLE	2	08/12/09	Th-230	UF	—	—	0.107	0.017	0.094	pCi/L	GELC	HASL-300:ISOTH	—	—	—	300	—	12	0.01	—	—	—	—	—	—	—	----
Alluvial	MCO-2	SINGLE	2	08/12/09	Th-232	UF	FD	—	0.149	0.02	0.033	pCi/L	GELC	HASL-300:ISOTH	—	—	—	50	—	2	0.07	—	—	—	—	—	—	—	----
Alluvial	MCO-2	SINGLE	2	08/12/09	Th-232	UF	—	—	0.136	0.018	0.031	pCi/L	GELC	HASL-300:ISOTH	—	—	—	50	—	2	0.07	—	—	—	—	—	—	—	----
Alluvial	MCO-3	SINGLE	2	08/12/09	Am-241	UF	—	—	3.81	0.25	0.037	pCi/L	GELC	HASL-300:AM-241	—	—	—	30	0.13	1.2	3.18	—	—	—	—	—	20	0.19	
Alluvial	MCO-3	SINGLE	2	08/12/09	Cs-137	UF	—	—	43.1	3.2	4.7	pCi/L	GELC	EPA:901.1	—	—	—	3000	0.01	120	0.36	—	—	—	—	—	1000	0.04	
Alluvial	MCO-3	SINGLE	2	08/12/09	GROSSB	UF	—	—	76.2	7	2	pCi/L	GELC	EPA:900	—	—	—	1000	0.08	—	—	—	—	50	1.52	—	—	—	----
Alluvial	MCO-3	SINGLE	2	08/12/09	H-3	UF	—	—	2060	220	150	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.03	20000	0.1	—	—	—	—	1000000	----
Alluvial	MCO-3	SINGLE	2	08/12/09	Pu-238	UF	—	—	4.02	0.23	0.038	pCi/L	GELC	HASL-300:ISOPU	—	—	—	40	0.1	1.6	2.51	—	—	—	—	—	20	0.2	
Alluvial	MCO-3	SINGLE	2	08/12/09	Pu-239/240	UF	—	—	4.38	0.25	0.047	pCi/L	GELC	HASL-300:ISOPU	—	—	—	30	0.15	1.2	3.65	—	—	—	—	—	20	0.22	
Alluvial	MCO-3	SINGLE	2	08/12/09	Ra-228	UF	—	—	1.53	0.37	0.81	pCi/L	GELC	EPA:904	—	—	—	100	0.02	4	0.38	5	0.31	—	—	30	0.05	60	0.03
Alluvial	MCO-3	SINGLE	2	08/12/09	Sr-90	UF	—	—	13.5	1.2	0.33	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.01	40	0.34	8	1.69	—	—	—	—	500	0.03
Alluvial	MCO-3	SINGLE	2	08/12/09	Th-228	UF	—	—	0.223	0.03	0.12	pCi/L	GELC	HASL-300:ISOTH	—	—	—	400	—	16	0.01	—	—	—	—	—	—	—	----
Alluvial	MCO-3	SINGLE	2	08/12/09	Th-232	UF	—	—	0.238	0.03	0.044	pCi/L	GELC	HASL-300:ISOTH	—	—	—	50	—	2	0.12	—	—	—	—	—	—	—	----
Alluvial	MCO-4B	SINGLE	8.9	08/18/09	Am-241	UF	—	—	0.0467	0.01	0.038	pCi/L	GELC	HASL-300:AM-241	—	—	—	30	—	1.2	0.04	—	—	—	—	—	20	----	
Alluvial	MCO-4B	SINGLE	8.9	08/18/09	GROSSB	UF	—	—	91.3	8.2	2.5	pCi/L	GELC	EPA:900	—	—	—	1000	0.09	—	—	—	—	50	1.83	—	—	—	----
Alluvial	MCO-4B	SINGLE	8.9	08/18/09	H-3	UF	—	—	1370	170	230	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.02	20000	0.07	—	—	—	—	1000000	----
Alluvial	MCO-4B	SINGLE	8.9	08/18/09	Sr-90	UF	—	—	44.8	3.7	0.63	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.04	40	1.12	8	5.6	—	—	—	—	500	0.09
Alluvial	MCO-5	SINGLE	21	08/17/09	Am-241	UF	—	—	0.0377	0.0094	0.035	pCi/L	GELC	HASL-300:AM-241	—	—	—	30	—	1.2	0.03	—	—	—	—	—	20	----	
Alluvial	MCO-5	SINGLE	21	08/17/09	GROSSB	UF	—	—	96.5	8.6	2.2	pCi/L	GELC	EPA:900	—	—	—	1000	0.1	—	—	—	—	50	1.93	—	—	—	----
Alluvial	MCO-5	SINGLE	21	08/17/09	H-3	UF	—	—	1290	150	140	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.02	20000	0.06	—	—	—	—	1000000	----
Alluvial	MCO-5	SINGLE	21	08/17/09	Pu-238	UF	—	—	0.026	0.0057	0.022	pCi/L	GELC	HASL-300:ISOPU	—	—	—	40	—	1.6	0.02	—	—	—	—	—	20	----	
Alluvial	MCO-5	SINGLE	21	08/17/09	Pu-239/240	UF	—	—	0.0448	0.0076	0.025	pCi/L	GELC	HASL-300:ISOPU	—	—	—	30	—	1.2	0.04	—	—	—	—	—	20	----	
Alluvial	MCO-5	SINGLE	21	08/17/09	Sr-90	UF	—	—	45.3	3.8	0.26	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.05	40	1.13	8	5.66	—	—	—	—	500	0.09
Alluvial	MCO-6	SINGLE	27	08/12/09	GROSSB	UF	—	—	84.7	7.7	2	pCi/L	GELC	EPA:900	—	—	—	1000	0.08	—	—	—	—	50	1.69	—	—	—	----
Alluvial	MCO-6	SINGLE	27	08/12/09	H-3	UF	—	—	1160	130	150	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.06	—	—	—	—	1000000	----
Alluvial	MCO-6	SINGLE	27	08/12/09	Sr-90	UF	—	—	39.4	3.2	0.32	pCi/L	GELC	EPA:905.0	—	—	—	1000	0.04	40	0.99	8	4.93	—	—	—	—	500	0.08
Alluvial	MCO-7	SINGLE	39	08/13/09	Am-241	UF	—	—	0.0415	0.0097	0.033	pCi/L	GELC	HASL-300:AM-241	—	—	—	30	—	1.2	0.03	—	—	—	—	—	20	----	
Alluvial	MCO-7	SINGLE	39	08/13/09	GROSSB	UF	—	—	30.5	3.2	2.4	pCi/L	GELC	EPA:900	—	—	—	1000	0.03	—	—	—	—	50	0.61	----	----	----	----

Table D-11 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Prep Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE DW DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	EPA Secondary Drinking Water Level	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)	NMED Radiation Protection	Ratio (Result/Screening Level)
Alluvial	MCO-7	SINGLE	39	08/13/09	H-3	UF	—	—	762	96	150	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.04	—	—	—	—	1000000	---
Alluvial	MCO-7	SINGLE	39	08/13/09	Pu-238	UF	—	—	0.034	0.011	0.032	pCi/L	GELC	HASL-300:ISOPU	—	—	—	40	—	1.6	0.02	----	----	—	—	—	—	20	----
Alluvial	MCO-7	SINGLE	39	08/13/09	Pu-239/240	UF	—	—	0.054	0.015	0.039	pCi/L	GELC	HASL-300:ISOPU	—	—	—	30	—	1.2	0.05	----	----	—	—	—	—	20	----
Alluvial	MCO-7	SINGLE	39	08/13/09	Sr-90	UF	—	—	2.8	0.31	0.29	pCi/L	GELC	EPA:905.0	—	—	—	1000	—	40	0.07	8	0.35	—	—	—	—	500	0.01
Alluvial	MCO-7	SINGLE	39	08/13/09	Th-232	UF	—	—	0.0695	0.014	0.039	pCi/L	GELC	HASL-300:ISOTH	—	—	—	50	—	2	0.03	----	----	—	—	—	—	----	----
Alluvial	MCO-7.5	SINGLE	35	08/05/09	H-3	UF	FD	—	1180	150	200	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.06	—	—	—	—	1000000	----
Alluvial	MCO-7.5	SINGLE	35	08/05/09	H-3	UF	—	—	1110	140	200	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.01	20000	0.06	—	—	—	—	1000000	----
Intermediate	MCOI-4	SINGLE	499	08/07/09	H-3	UF	—	—	6710	680	200	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.08	20000	0.34	—	—	—	—	1000000	0.01
Intermediate	MCOI-5	SINGLE	689	08/06/09	H-3	UF	—	—	3070	330	200	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.04	20000	0.15	—	—	—	—	1000000	----
Intermediate	MCOI-6	SINGLE	686	08/19/09	H-3	UF	FD	—	8150	830	230	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.1	20000	0.41	—	—	—	—	1000000	0.01
Intermediate	MCOI-6	SINGLE	686	08/19/09	H-3	UF	—	—	8420	860	230	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.11	20000	0.42	—	—	—	—	1000000	0.01
Regional	R-46	SINGLE	1340	06/17/09	Ra-228	UF	—	—	0.654	0.2	0.5	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.16	5	0.13	—	—	30	0.02	60	0.01
Regional	R-1	SINGLE	1031.1	08/13/09	Ra-228	UF	—	—	0.879	0.26	0.64	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.22	5	0.18	—	—	30	0.03	60	0.01
Regional	R-33	MULTI	1112.4	08/14/09	Ra-226	UF	—	—	0.442	0.14	0.34	pCi/L	GELC	EPA:903.1	—	—	—	100	—	4	0.11	5	0.09	—	—	30	0.01	60	0.01
Regional	R-42	SINGLE	931.8	08/14/09	Th-230	UF	—	—	0.168	0.024	0.14	pCi/L	GELC	HASL-300:ISOTH	—	—	—	300	—	12	0.01	—	—	—	—	—	—	—	----
Regional	R-45	MULTI	880	07/16/09	Ra-226	UF	—	—	1.68	0.35	0.63	pCi/L	GELC	EPA:903.1	—	—	—	100	0.02	4	0.42	5	0.34	—	—	30	0.06	60	0.03
Regional	R-45	MULTI	880	07/16/09	Ra-228	UF	—	—	1.54	0.4	0.83	pCi/L	GELC	EPA:904	—	—	—	100	0.02	4	0.39	5	0.31	—	—	30	0.05	60	0.03
Regional	R-45	MULTI	880	08/19/09	Ra-228	UF	—	—	1.56	0.42	0.92	pCi/L	GELC	EPA:904	—	—	—	100	0.02	4	0.39	5	0.31	—	—	30	0.05	60	0.03
Regional	R-44	MULTI	895	07/14/09	Ra-226	UF	—	—	0.781	0.21	0.42	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.2	5	0.16	—	—	30	0.03	60	0.01
Regional	R-34	SINGLE	883.7	08/12/09	Ra-228	UF	—	—	1.82	0.45	1.1	pCi/L	GELC	EPA:904	—	—	—	100	0.02	4	0.46	5	0.36	—	—	30	0.06	60	0.03
Regional	R-16r	SINGLE	600	08/11/09	Ra-226	UF	—	—	0.35	0.13	0.34	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.09	5	0.07	—	—	30	0.01	60	0.01

* — None.

Table D-12
Sandia Previously Unreported Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA Regional Tap Screening Level (N)	Ratio (Result/Screening Level)
Regional	R-35b	SINGLE	825.4	04/27/09	PEB	UF	VOA	Chloromethane	0.7	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	190	—*
Regional	R-35b	SINGLE	825.4	04/27/09	—	UF	VOA	Carbon Disulfide	2.91	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—

* — None.

Table D-13
Sandia Surface Water Metals

Field Matrix Code	Location	Date	Analyte	Field Prep Code	Field QC Type Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute 100 mg (F)	Ratio (Result/Screening Level)	NM Aquatic Chronic 100 mg (F)	Ratio (Result/Screening Level)
WS	Sandia right fork at Power Plant (E121)	08/07/09	Al	F	—*	75.5	68	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	87	0.87
WS	South Fork of Sandia Canyon at E122	08/13/09	Cu	F	FD	8.84	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	13.4	0.66	9	0.98
WS	South Fork of Sandia Canyon at E122	08/13/09	Cu	F	—	9.05	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	13.4	0.68	9	1.01
WS	Sandia below Wetlands (E123)	08/07/09	Al	F	—	121	68	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	87	1.39

* — None.

**Table D-14
Sandia Surface Water Organics**

Field Matrix Code	Location	Date	Field QC Type Code	Field Prep Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Human Health	Ratio (Result/Screening Level)
WS	Sandia right fork at Power Plant (E121)	08/07/09	FTB	UF	VOA	Chlorobenzene	5.08	0.25	µg/L	1	—*	—	—	SW-846:8260B	GELC	21000	—
WS	Sandia right fork at Power Plant (E121)	08/07/09	FTB	UF	VOA	Dichlorobenzene[1,2-]	0.259	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	17000	—
WS	Sandia right fork at Power Plant (E121)	08/07/09	—	UF	VOA	Bromodichloromethane	4.67	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	170	0.03
WS	Sandia right fork at Power Plant (E121)	08/07/09	—	UF	VOA	Bromoform	2.99	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1400	—
WS	Sandia right fork at Power Plant (E121)	08/07/09	—	UF	VOA	Chlorodibromomethane	4.76	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	130	0.04
WS	Sandia right fork at Power Plant (E121)	08/07/09	—	UF	VOA	Chloroform	2.86	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	4700	—
WS	Sandia below Wetlands (E123)	08/07/09	FTB	UF	VOA	Chlorobenzene	5.08	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	21000	—
WS	Sandia below Wetlands (E123)	08/07/09	FTB	UF	VOA	Dichlorobenzene[1,2-]	0.27	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	17000	—

* — None.

**Table D-15
Sandia Surface Water Perchlorate**

Field Matrix Code	Location	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	Sandia below Wetlands (E123)	08/07/09	—*	F	SW-846:6850	0.282	0.05	µg/L	1	—	—	—	GELC
WS	Sandia right fork at Power Plant (E121)	08/07/09	—	F	SW-846:6850	0.424	0.05	µg/L	1	—	—	—	GELC
WS	South Fork of Sandia Canyon at E122	08/13/09	—	F	SW-846:6850	0.637	0.05	µg/L	1	—	—	—	GELC
WS	South Fork of Sandia Canyon at E122	08/13/09	FD	F	SW-846:6850	0.63	0.05	µg/L	1	—	—	—	GELC
WS	Middle Sandia Canyon at terminus of persistent baseflow	08/19/09	—	F	SW-846:6850	0.146	0.05	µg/L	1	J	J	J_LAB	GELC

* — None.

**Table D-16
Sandia Groundwater Metals**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Prep Code	Field QC Type Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC GW STD	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	08/03/09	Fe	F	—*	608	30	µg/L	GELC	—	J	I4a	SW-846:6010B	—	—	1000	0.61
Alluvial	SCA-1-DP	MULTI	2.16	08/03/09	Mn	F	—	677	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	3.39
Alluvial	SCA-4	SINGLE	37	08/05/09	As	F	—	7.95	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.8	—	—
Alluvial	SCA-4	SINGLE	37	08/05/09	As	UF	—	8.01	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.8	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	Cr	F	FD	506	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.06	50	10.12
Intermediate	SCI-2	SINGLE	548	08/04/09	Cr	F	—	502	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.02	50	10.04
Intermediate	SCI-2	SINGLE	548	08/04/09	Cr	F	—	510	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.1	50	10.2
Intermediate	SCI-2	SINGLE	548	08/04/09	Cr	UF	FD	518	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.18	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	Cr	UF	—	538	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.38	—	—
Intermediate	R-12	MULTI	459	08/05/09	Mn	F	—	126	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	0.63
Regional	R-35a	SINGLE	1013.1	08/03/09	As	F	—	5.83	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.58	—	—
Regional	R-35a	SINGLE	1013.1	08/03/09	As	UF	—	5.83	1.5	µg/L	GELC	—	—	—	SW-846:6020	10	0.58	—	—

* — None.

Table D-17
Sandia Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Result	Method Detection Limit	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 (C)	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level (N)	Ratio (Result/Screening Level)	MMWCCC GW STD	Ratio (Result/Screening Level)
Alluvial	SCA-2	SINGLE	10.3	08/04/09	EQB	UF	CS	VOA	Chloroform	1.06	0.25	µg/L	1	—*	—	—	SW-846:8260B	GELC	80	0.01	1.9	0.56	—	—	100	0.01
Alluvial	SCA-2	SINGLE	10.3	08/04/09	FTB	UF	CS	VOA	Chloromethane	0.396	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Alluvial	SCA-4	SINGLE	37	08/05/09	EQB	UF	CS	VOA	Chloroform	0.406	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.21	—	—	100	—
Intermediate	SCI-1	SINGLE	358.4	08/03/09	—	UF	CS	VOA	Chloroform	0.491	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.26	—	—	100	—
Intermediate	SCI-1	SINGLE	358.4	08/03/09	FD	UF	CS	VOA	Chloromethane	0.325	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Intermediate	SCI-1	SINGLE	358.4	08/03/09	—	UF	CS	VOA	Chloromethane	0.534	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.0000286	0.0000286	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	0.0000554	0.0000554	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	—	UF	CS	DIOX/FUR	Hexachlorodibenzodioxins (Total)	0.0000142	0.0000142	µg/L	1	—	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	FD	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.0000127	0.0000127	µg/L	1	JB	J	DF4a	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	—	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.0000747	0.0000747	µg/L	1	B	—	—	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	FD	UF	CS	VOA	Chloroform	0.296	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.16	—	—	100	—
Intermediate	SCI-2	SINGLE	548	08/04/09	—	UF	CS	VOA	Chloroform	0.273	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.14	—	—	100	—
Intermediate	SCI-2	SINGLE	548	08/04/09	—	UF	CS	VOA	Diethyl Ether	0.301	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7300	—	—	—
Regional	R-43	MULTI	903.9	06/19/09	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	4.82	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.8	48	0.1	—	—	—	—
Regional	R-43	MULTI	903.9	06/19/09	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	4.67	2.4	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.78	48	0.1	—	—	—	—
Regional	R-43	MULTI	903.9	06/19/09	FD	UF	CS	VOA	Acetone	113	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	0.01	—	—
Regional	R-43	MULTI	903.9	06/19/09	FS	UF	DL	VOA	Acetone	300	6.7	µg/L	2	—	J	V7b	SW-846:8260B	PARA	—	—	—	—	22000	0.01	—	—
Regional	R-43	MULTI	903.9	06/19/09	—	UF	CS	VOA	Acetone	114	3.5	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	—	—	22000	0.01	—	—
Regional	R-43	MULTI	903.9	06/19/09	FS	UF	CS	VOA	Chloromethane	0.23	0.17	µg/L	1	J	J	J_LAB	SW-846:8260B	PARA	—	—	—	—	190	—	—	—
Regional	R-43	MULTI	969.1	06/18/09	FB	UF	CS	VOA	Chloromethane	0.349	0.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	R-11	SINGLE	855	08/10/09	FTB	UF	CS	VOA	Butanone[2-]	2.01	1.3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	—	—	7100	—	—	—
Regional	R-11	SINGLE	855	08/10/09	FTB	UF	CS	VOA	Chlorobenzene	5.17	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	100	0.05	—	—	91	0.06	—	—
Regional	R-11	SINGLE	855	08/10/09	FTB	UF	CS	VOA	Chloromethane	0.397	0.3	µg/L	1	J	J	V7c	SW-846:8260B	GELC	—	—	—	—	190	—	—	—
Regional	R-11	SINGLE	855	08/10/09	FTB	UF	CS	VOA	Dichlorobenzene[1,2-]	0.293	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	600	—	—	—	370	—	—	—
Regional	R-35b	SINGLE	825.4	08/04/09	—	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000303	0.00000303	µg/L	1	J	J	J_LAB	SW-846:8290	ALTC	—	—	—	—	—	—	—	—
Regional	R-36	SINGLE	766.9	08/05/09	FD	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	8.12	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	1.35	48	0.17	—	—	—	—
Regional	R-36	SINGLE	766.9	08/05/09	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	10.7	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	1.78	48	0.22	—	—	—	—
Regional	R-36	SINGLE	766.9	08/05/09	FD	UF	CS	VOA	Toluene	0.475	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-36	SINGLE	766.9	08/05/09	—	UF	CS	VOA	Toluene	0.476	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—

* — None.

Table D-18
Sandia Groundwater Inorganics

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Prep Code	Result	Method Detection Limit	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NM/QCC GW STD	Ratio (Result/Screening Level)
F(-1)	Alluvial	SCA-4	SINGLE	37	08/05/09	F	0.889	0.033	mg/L	GELC	—*	—	—	—	—	1.6	0.56
F(-1)	Alluvial	SCA-5	SINGLE	55	08/05/09	F	0.831	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.52
NO3+NO2-N	Regional	R-43	MULTI	903.9	08/18/09	F	5.65	0.1	mg/L	GELC	—	—	—	10	0.57	10	0.57
NO3+NO2-N	Regional	R-43	MULTI	969.1	06/18/09	F	5.4	0.1	mg/L	GELC	—	—	—	10	0.54	10	0.54
NO3+NO2-N	Regional	R-11	SINGLE	855	08/10/09	F	6.11	0.1	mg/L	GELC	—	—	—	10	0.61	10	0.61
TDS	Alluvial	SCA-1	SINGLE	1.3	08/04/09	F	583	2.4	mg/L	GELC	—	J	l4a	—	—	1000	0.58

* — None.

Table D-19
Sandia Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	SCA-1-DP	MULTI	2	08/03/09	—*	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	SCA-1	SINGLE	1	08/04/09	—	F	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	SCA-2	SINGLE	10	08/04/09	—	F	SW-846:6850	—	0.128	0.05	µg/L	1	J	J	J_LAB	GELC
Alluvial	SCA-4	SINGLE	37	08/05/09	—	F	SW-846:6850	—	0.264	0.05	µg/L	1	—	—	—	GELC
Alluvial	SCA-5	SINGLE	55	08/05/09	—	F	SW-846:6850	—	0.466	0.05	µg/L	1	—	—	—	GELC
Intermediate	SCI-1	SINGLE	358	08/03/09	—	F	SW-846:6850	—	0.969	0.05	µg/L	1	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	08/04/09	—	F	SW-846:6850	—	0.936	0.05	µg/L	1	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	08/04/09	FD	F	SW-846:6850	—	0.941	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-12	MULTI	459	08/05/09	—	F	SW-846:6850	—	0.193	0.05	µg/L	1	J	J	J_LAB	GELC
Intermediate	R-12	MULTI	505	08/05/09	—	F	SW-846:6850	—	0.943	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	904	06/19/09	—	F	SW-846:6850	—	0.793	0.05	µg/L	1	—	—	—	GELC

Table D-19 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Prep Code	Analytical Method Code	Symbol	Result	Method Detection Limit	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-43	MULTI	904	08/18/09	—	F	SW-846:6850	—	0.886	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	969	06/18/09	—	F	SW-846:6850	—	0.756	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	969	08/18/09	—	F	SW-846:6850	—	0.731	0.05	µg/L	1	—	—	—	GELC
Regional	R-11	SINGLE	855	08/10/09	—	F	SW-846:6850	—	0.746	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	08/04/09	—	F	SW-846:6850	—	0.531	0.05	µg/L	1	—	—	—	GELC
Regional	R-35a	SINGLE	1013	08/03/09	—	F	SW-846:6850	—	0.412	0.05	µg/L	1	—	—	—	GELC
Regional	R-36	SINGLE	767	08/05/09	FD	F	SW-846:6850	—	1.69	0.1	µg/L	2	—	—	—	GELC
Regional	R-36	SINGLE	767	08/05/09	—	F	SW-846:6850	—	1.74	0.1	µg/L	2	—	—	—	GELC
Regional	R-10a	SINGLE	690	08/12/09	—	F	SW-846:6850	—	0.624	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-20
Sandia Groundwater Tritium

Zone	Location	Well Class	Port Depth (ft)	Date	Field Prep Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Alluvial	SCA-1-DP	MULTI	2.16	08/03/09	UF	—*	—	18.84	0.61	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	SCA-2	SINGLE	10.3	08/04/09	UF	—	—	25.99	0.86	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Alluvial	SCA-4	SINGLE	37	08/05/09	UF	—	—	80.78	2.55	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	SCI-1	SINGLE	358.4	08/03/09	UF	—	—	87.81	2.87	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	UF	FD	—	472.56	15.97	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	SCI-2	SINGLE	548	08/04/09	UF	—	—	485.34	15.97	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-12	MULTI	459	08/05/09	UF	—	—	73.76	2.55	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-12	MULTI	504.5	08/05/09	UF	—	—	52.05	1.60	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-43	MULTI	903.9	06/19/09	UF	—	<	-0.26	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

Table D-20 (continued)

Zone	Location	Well Class	Port Depth (ft)	Date	Field Prep Code	Field QC Type Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-43	MULTI	969.1	06/18/09	UF	—	<	0.06	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-11	SINGLE	855	08/10/09	UF	—	—	5.36	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-35b	SINGLE	825.4	08/04/09	UF	—	<	0.10	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-35a	SINGLE	1013.1	08/03/09	UF	—	<	0.29	0.29	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-36	SINGLE	766.9	08/05/09	UF	FD	—	20.15	0.67	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-36	SINGLE	766.9	08/05/09	UF	—	—	18.97	0.64	0.28737	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—

* — None.

Table D-21
Sandia Groundwater Radionuclides

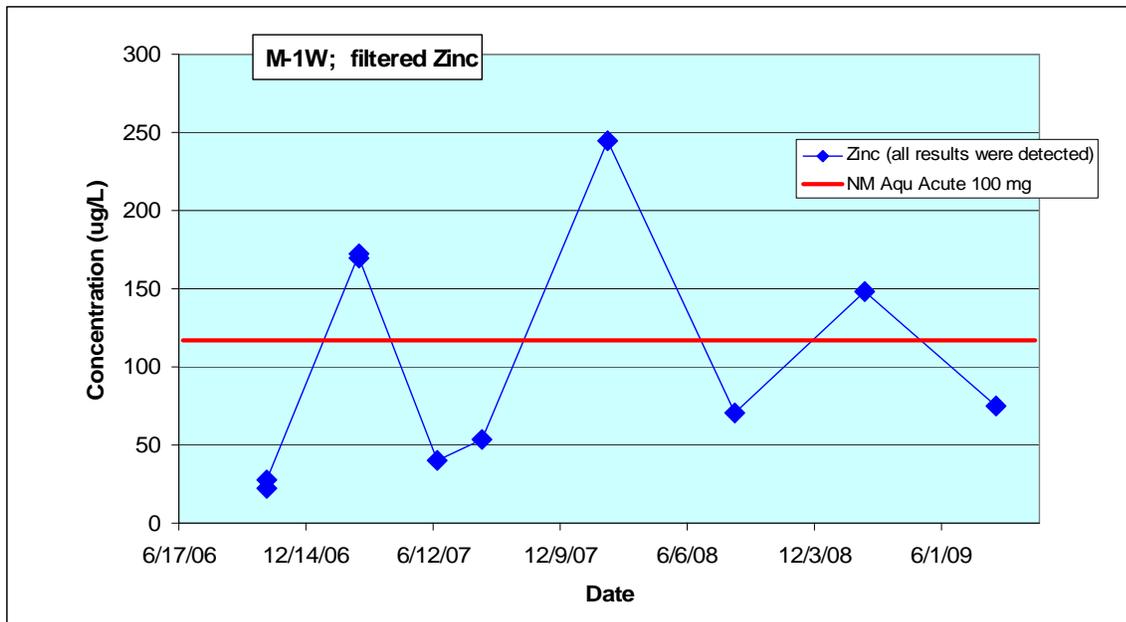
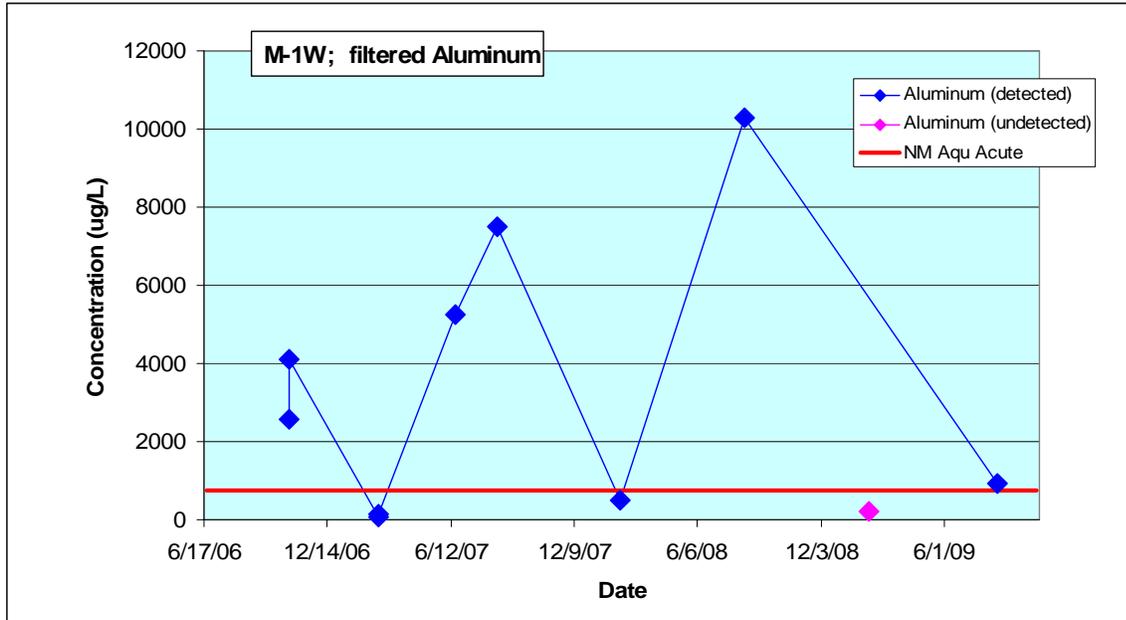
Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Prep Code	Symbol	Result	Uncertainty	Minimum Detectable Activity	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE DW DCG	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NM/QCC GW STD	Ratio (Result/Screening Level)	NM/MED Radiation Protection	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	08/03/09	Ra-226	UF	<	0.285	0.11	0.27	pCi/L	GELC	EPA:903.1	—*	U	R11	100	—	4	0.07	5	0.06	30	0.01	60	—
Alluvial	SCA-2	SINGLE	10.3	08/04/09	Ra-228	UF	—	1.19	0.33	0.81	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.3	5	0.24	30	0.04	60	0.02
Alluvial	SCA-4	SINGLE	37	08/05/09	Ra-228	UF	—	2.81	0.6	1.3	pCi/L	GELC	EPA:904	—	—	—	100	0.03	4	0.7	5	0.56	30	0.09	60	0.05
Intermediate	SCI-1	SINGLE	358.4	08/03/09	Ra-226	UF	—	0.348	0.11	0.28	pCi/L	GELC	EPA:903.1	—	—	—	100	—	4	0.09	5	0.07	30	0.01	60	0.01
Intermediate	R-12	MULTI	459	08/05/09	Ra-226	UF	<	0.369	0.13	0.33	pCi/L	GELC	EPA:903.1	—	U	R11	100	—	4	0.09	5	0.07	30	0.01	60	0.01
Regional	R-43	MULTI	903.9	06/19/09	Ra-226	UF	—	0.883	0.25	0.55	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.22	5	0.18	30	0.03	60	0.01
Regional	R-43	MULTI	969.1	06/18/09	Ra-226	UF	—	0.73	0.19	0.21	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.18	5	0.15	30	0.02	60	0.01
Regional	R-43	MULTI	969.1	08/18/09	Ra-228	UF	—	1.3	0.38	0.93	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.33	5	0.26	30	0.04	60	0.02
Regional	R-11	SINGLE	855	08/10/09	Ra-228	UF	—	0.862	0.29	0.76	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.22	5	0.17	30	0.03	60	0.01
Regional	R-35a	SINGLE	1013.1	08/03/09	Ra-228	UF	—	1.13	0.34	0.89	pCi/L	GELC	EPA:904	—	—	—	100	0.01	4	0.28	5	0.23	30	0.04	60	0.02

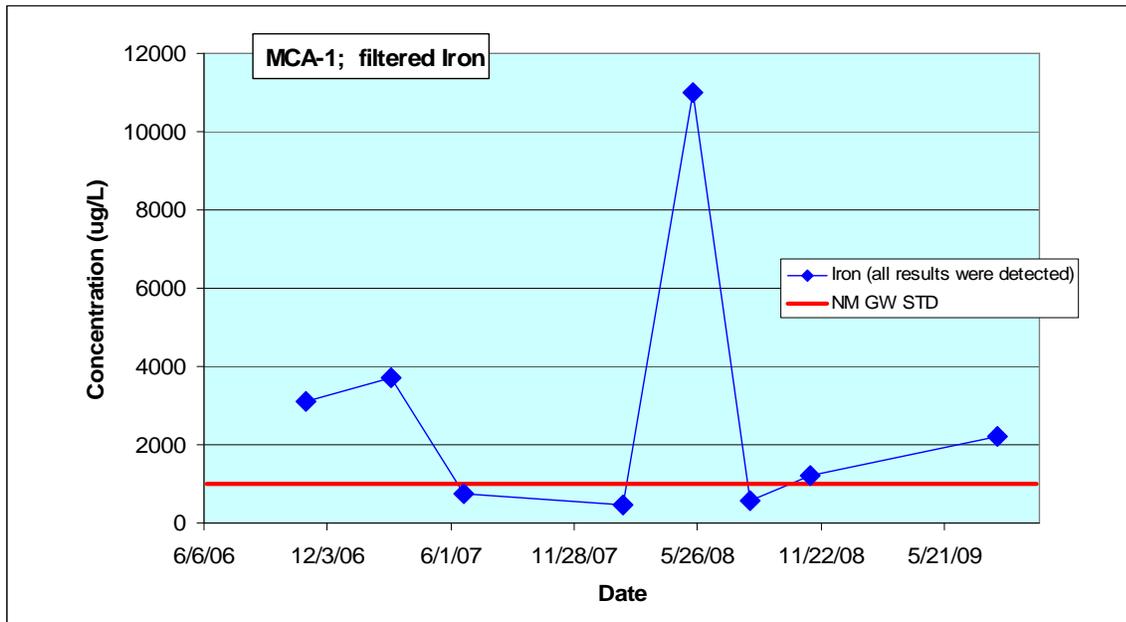
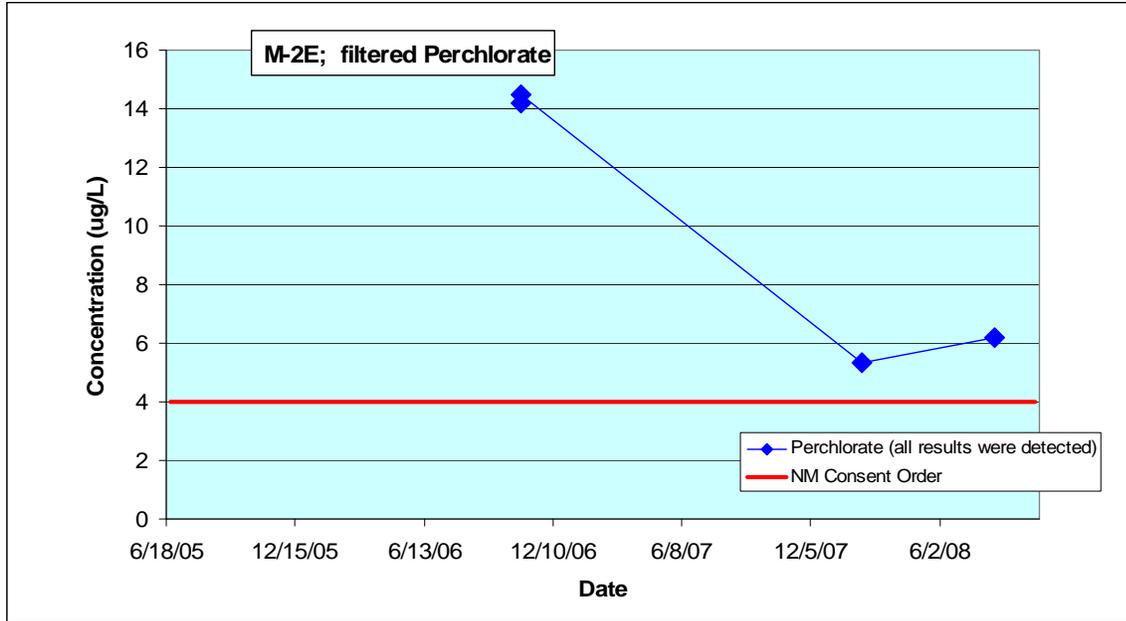
* — None.

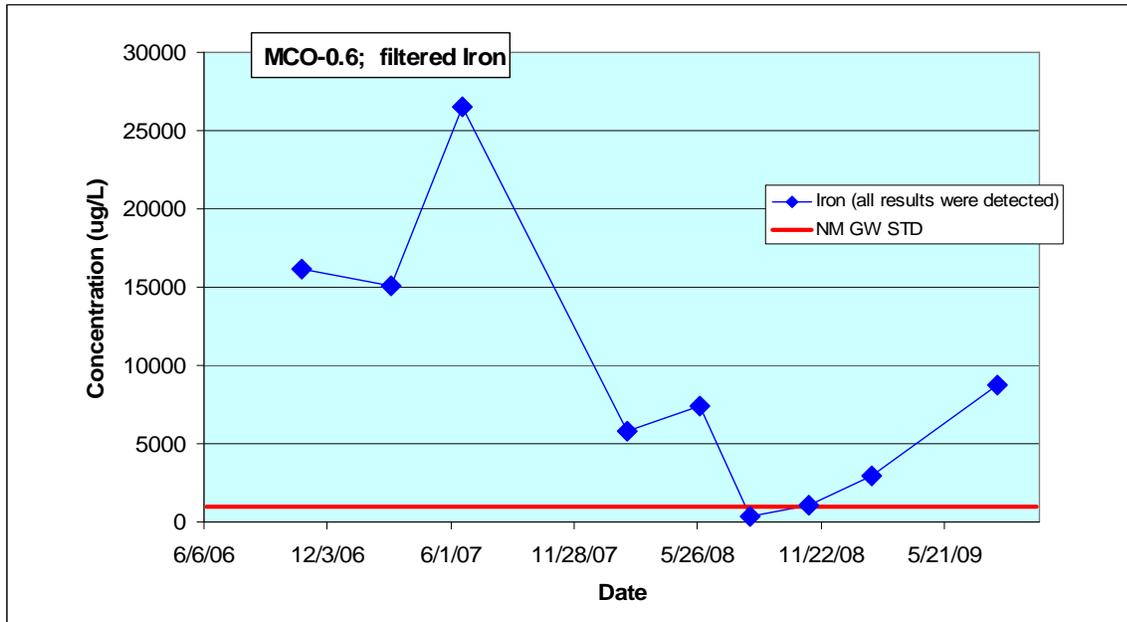
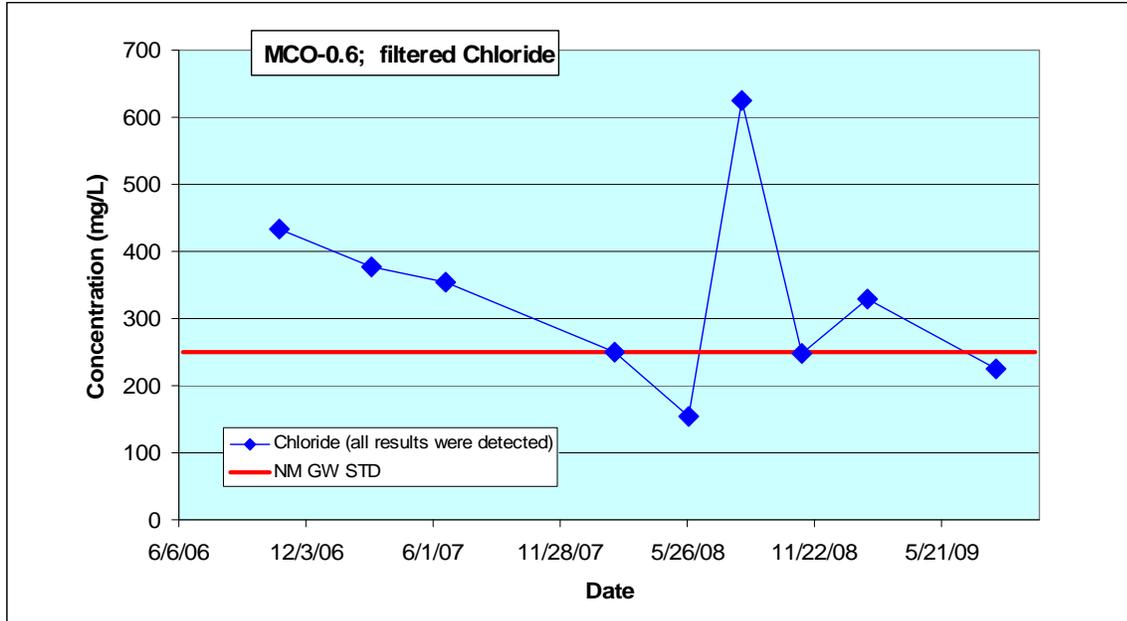
Appendix E

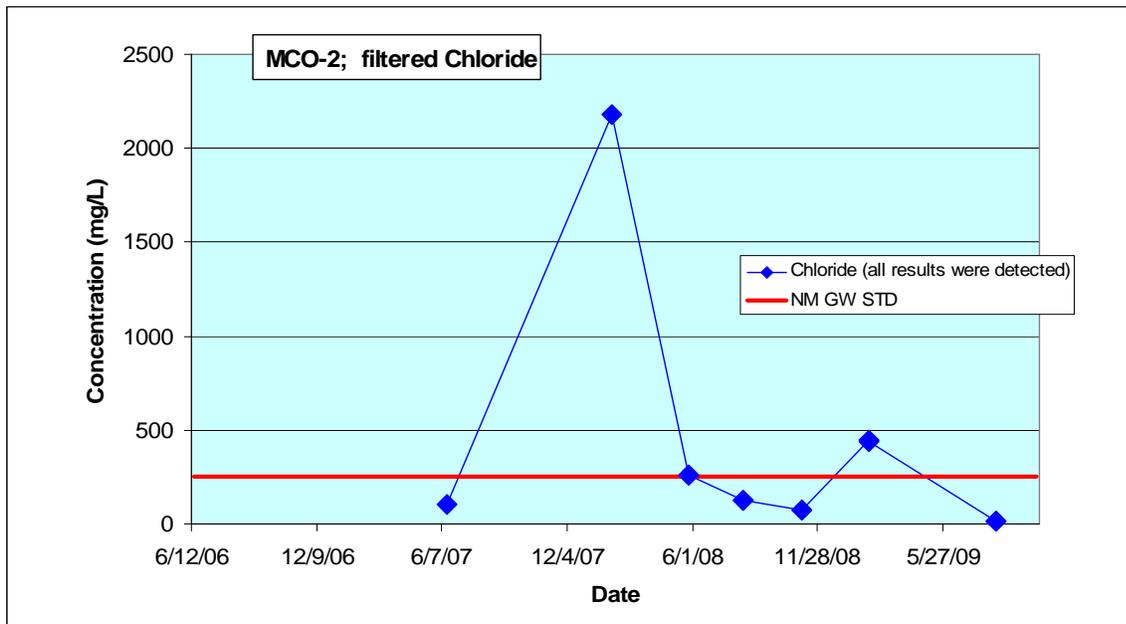
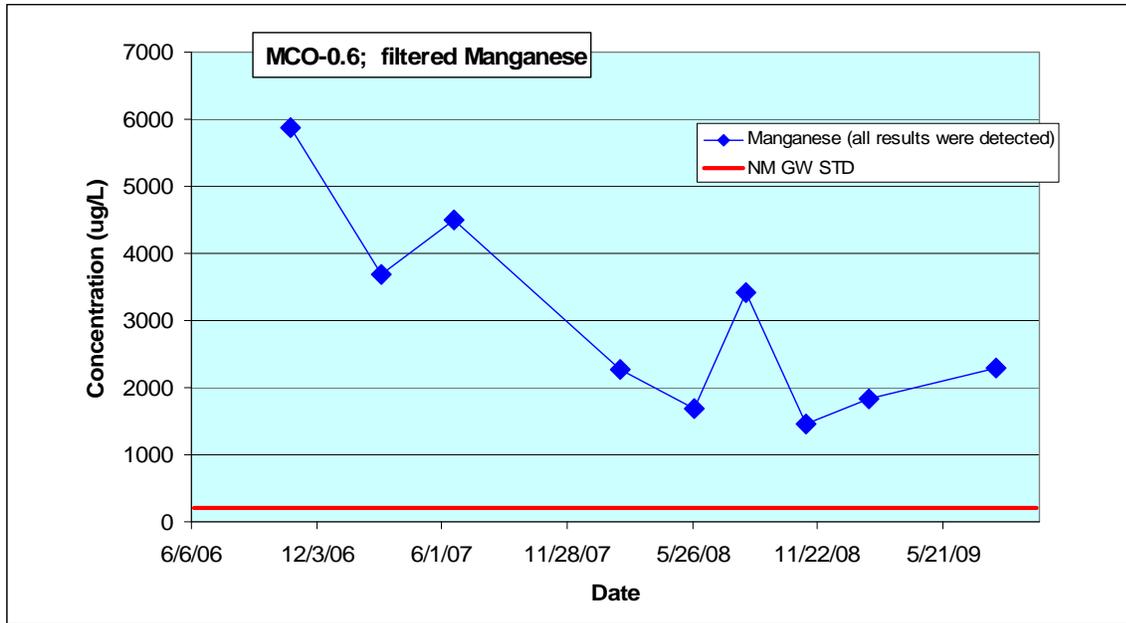
*Analytical Chemistry Graphs of
Screening-Level Exceedances*

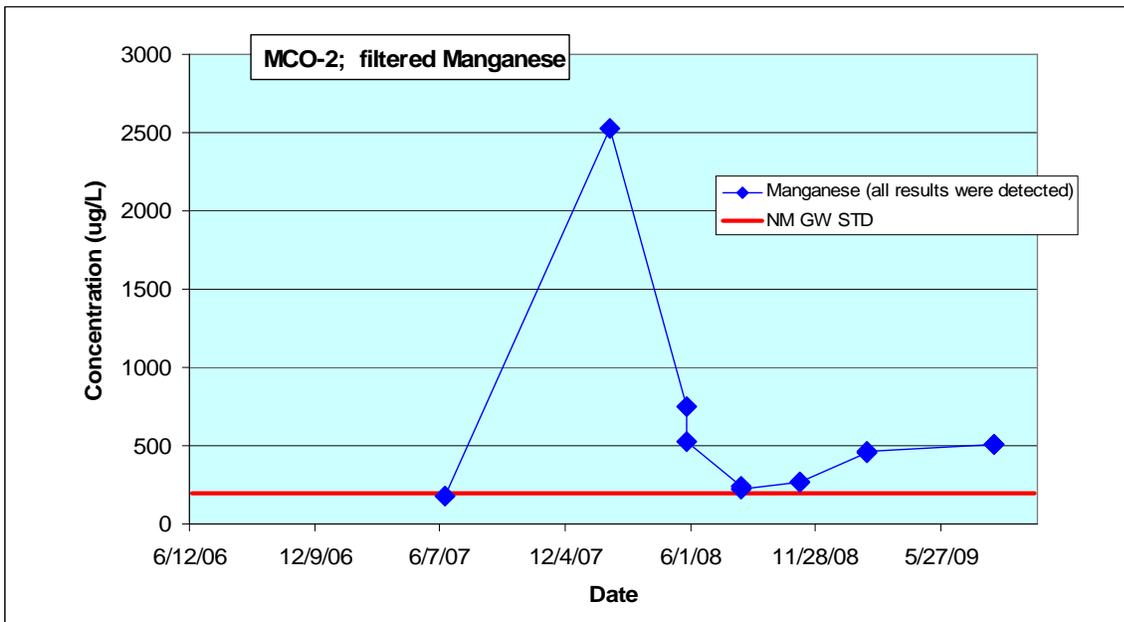
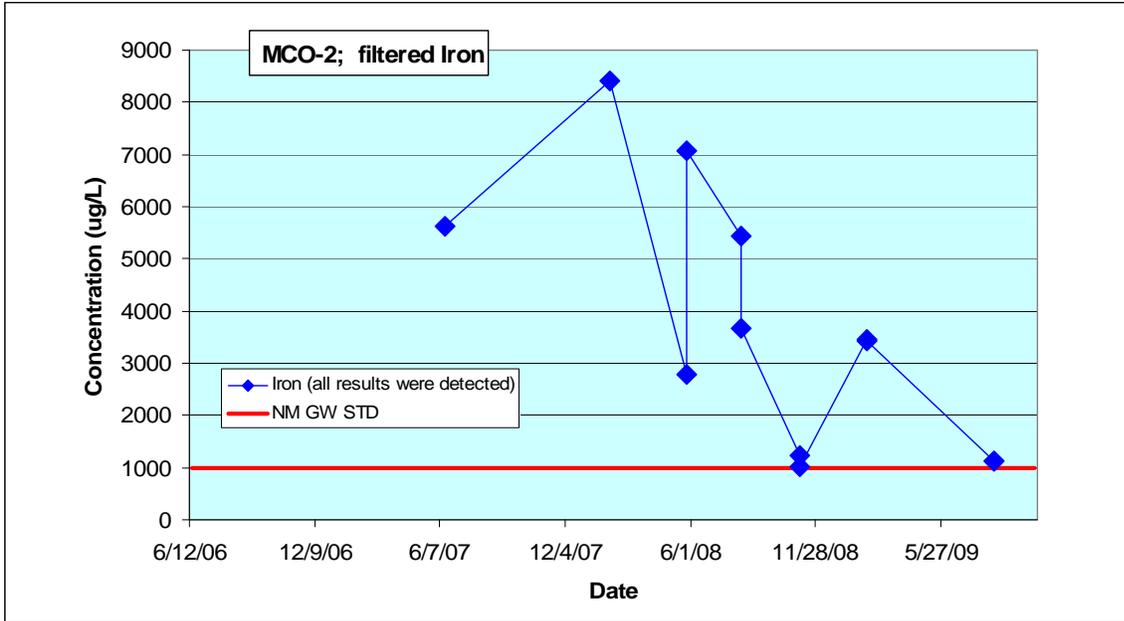
E-1 MORTANDAD WATERSHED

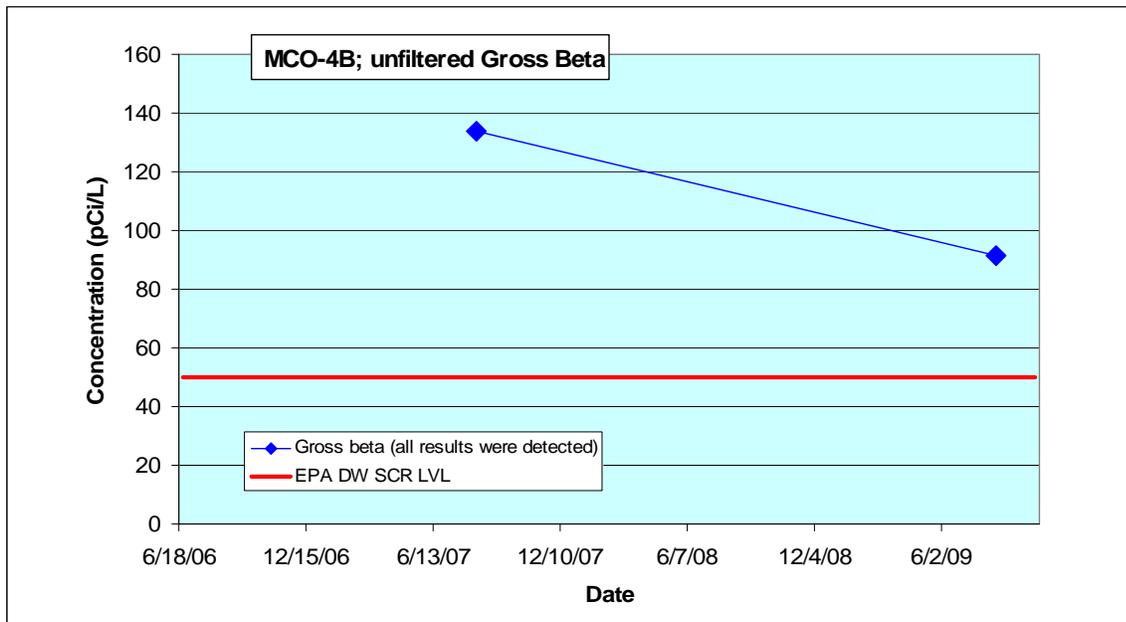
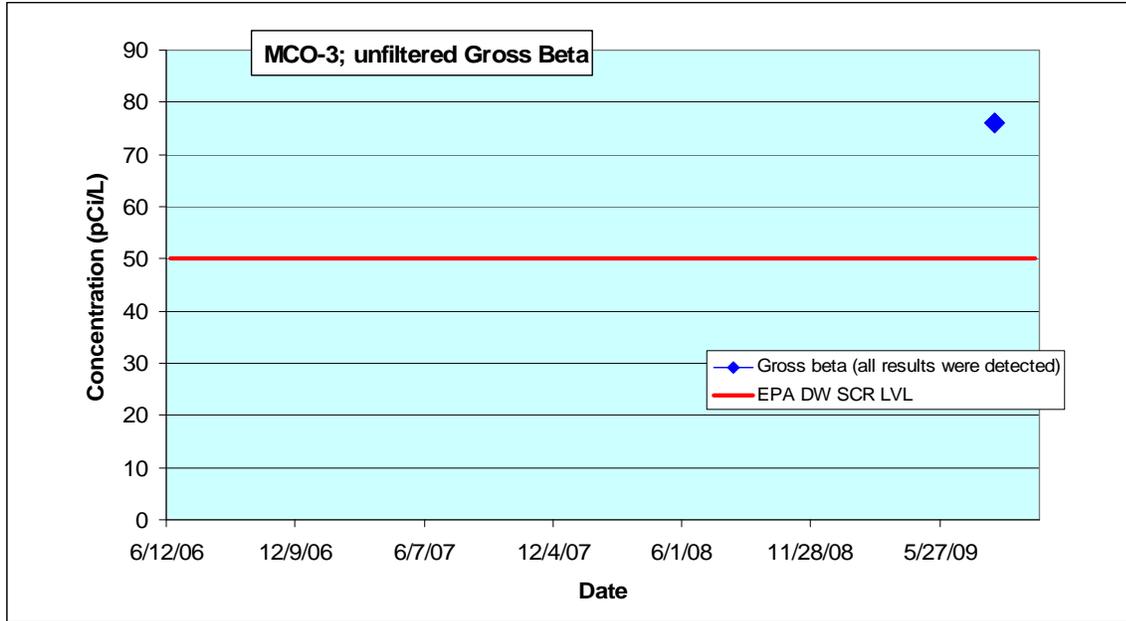


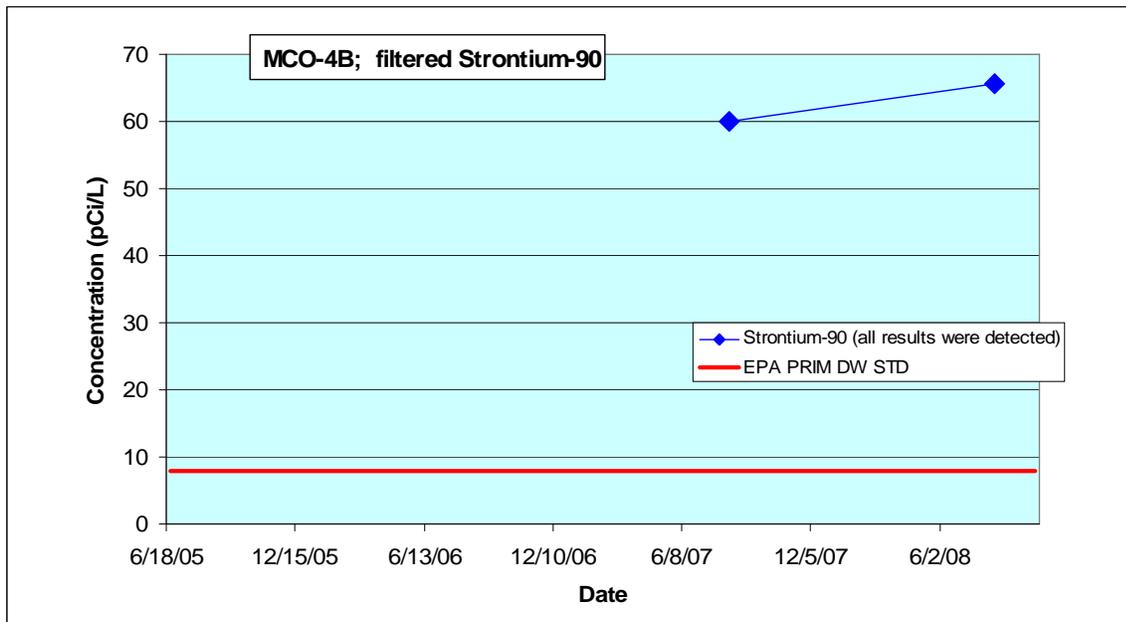
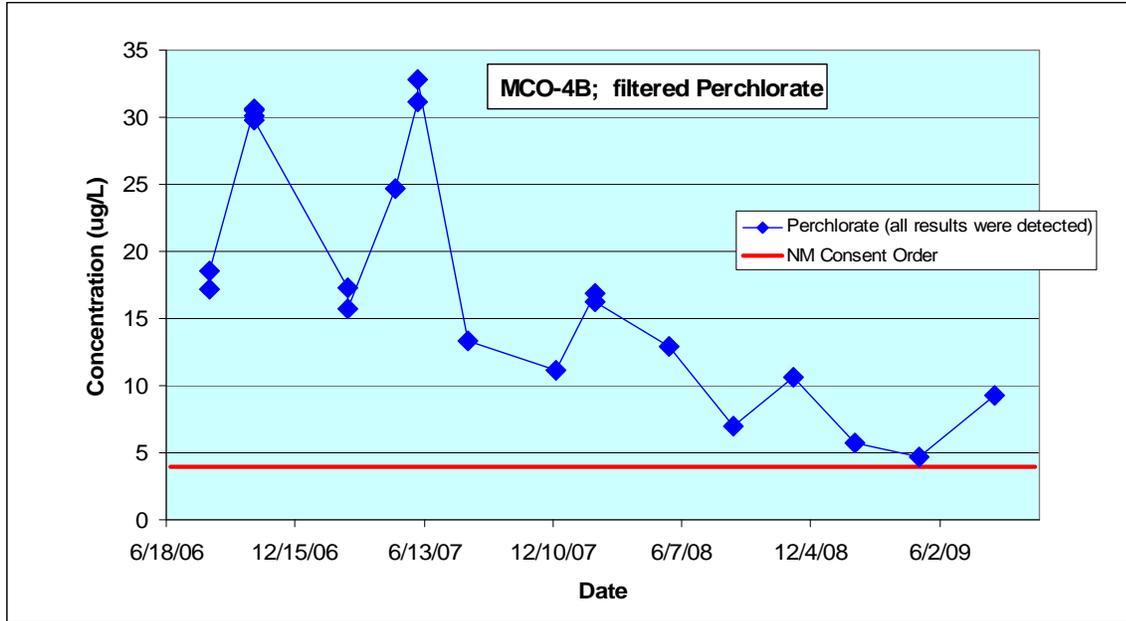


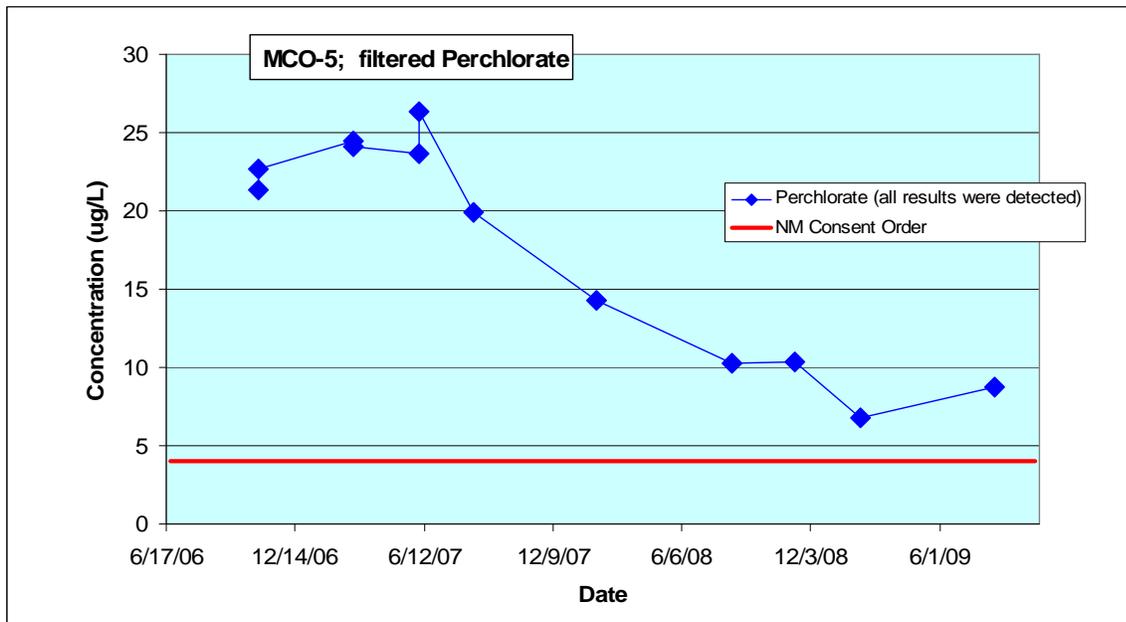
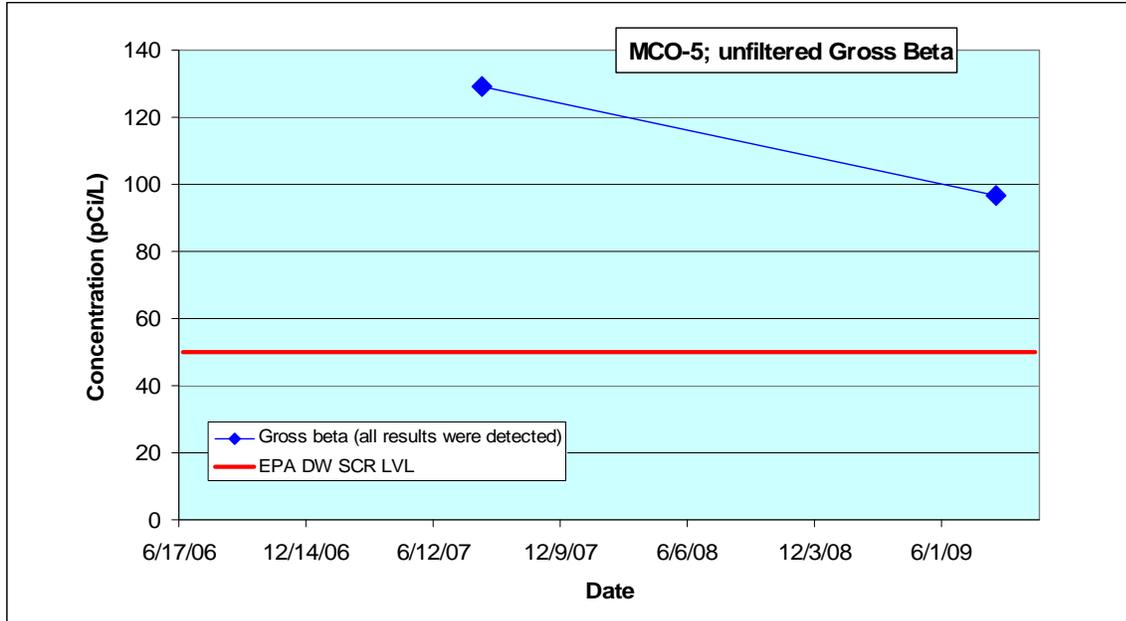


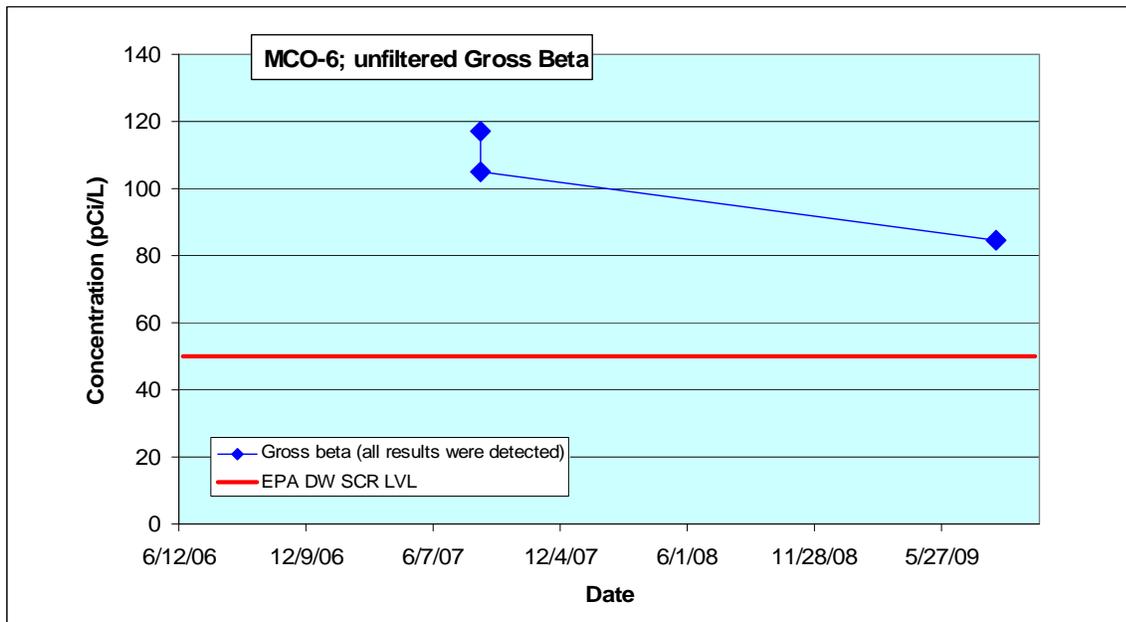
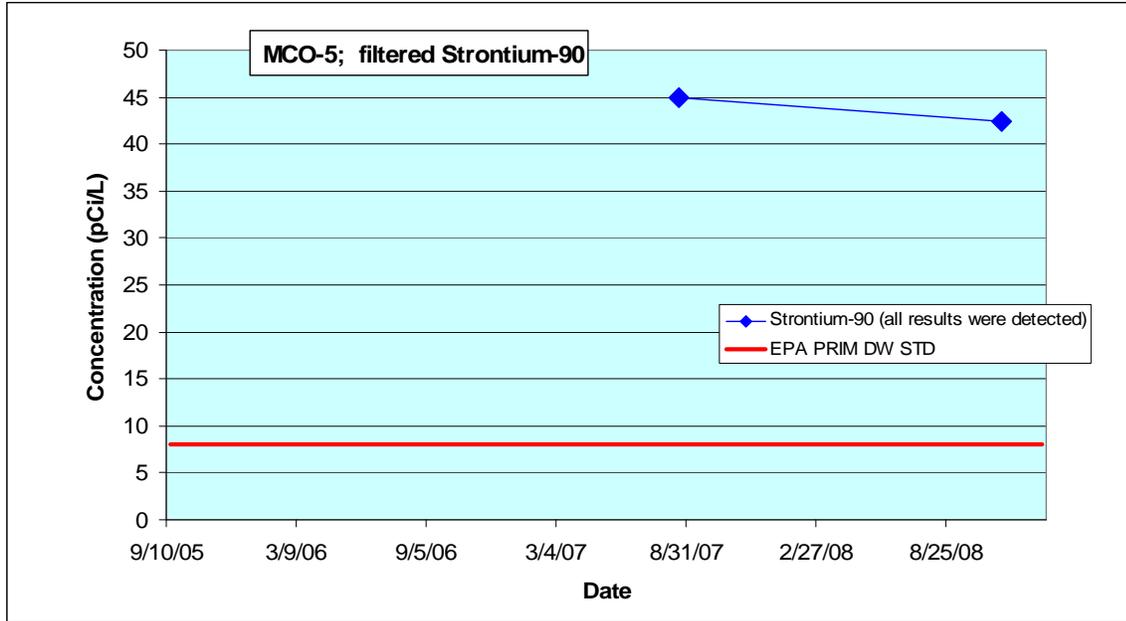


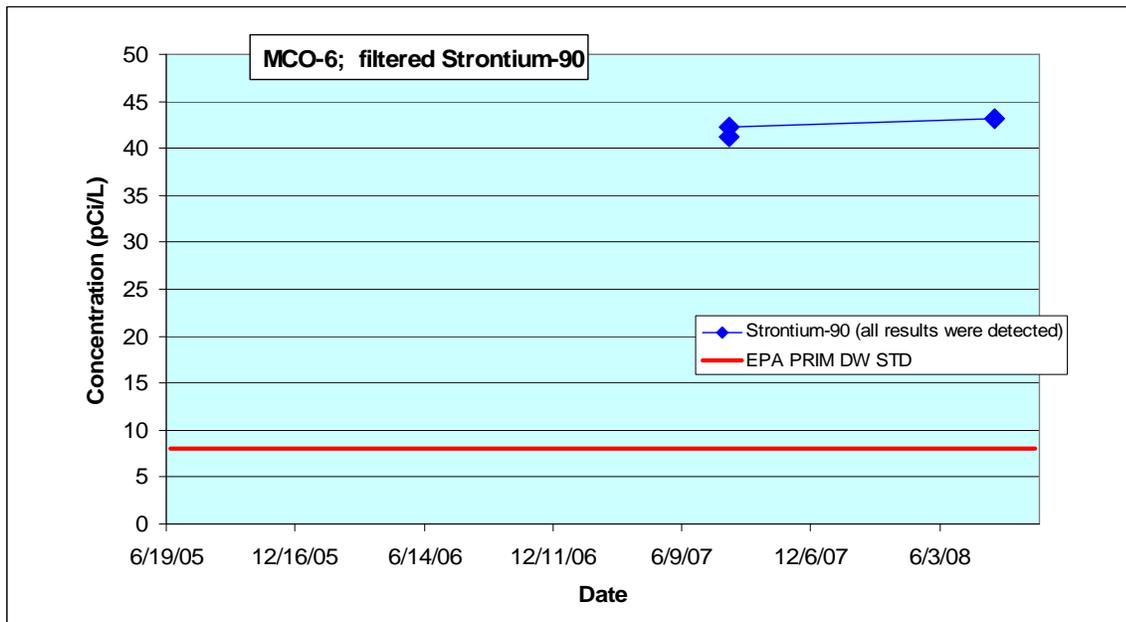
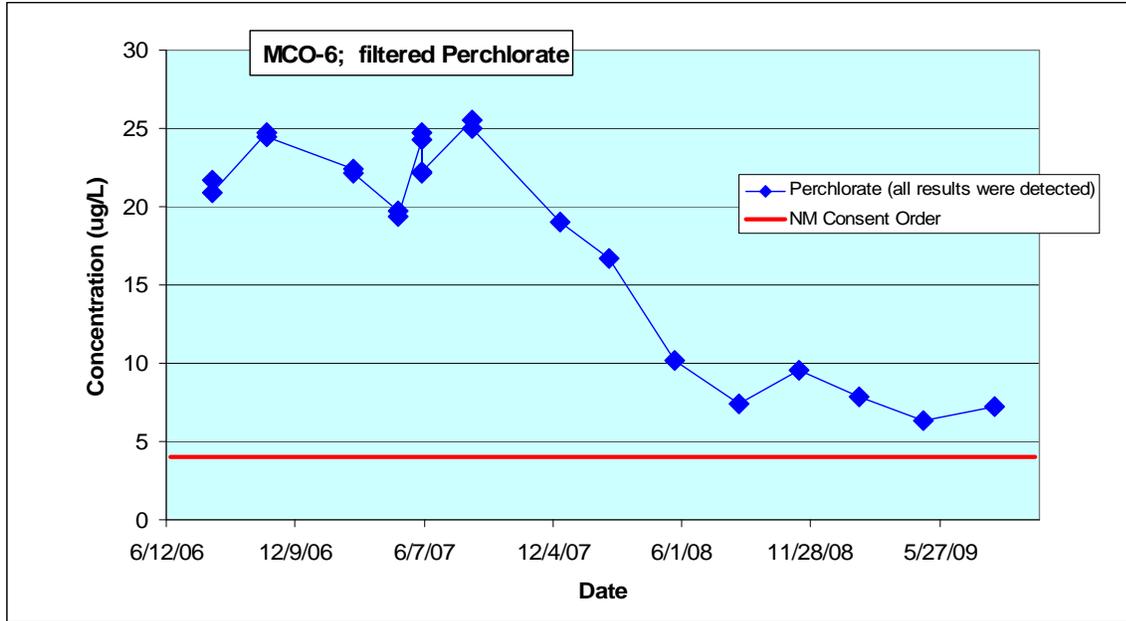


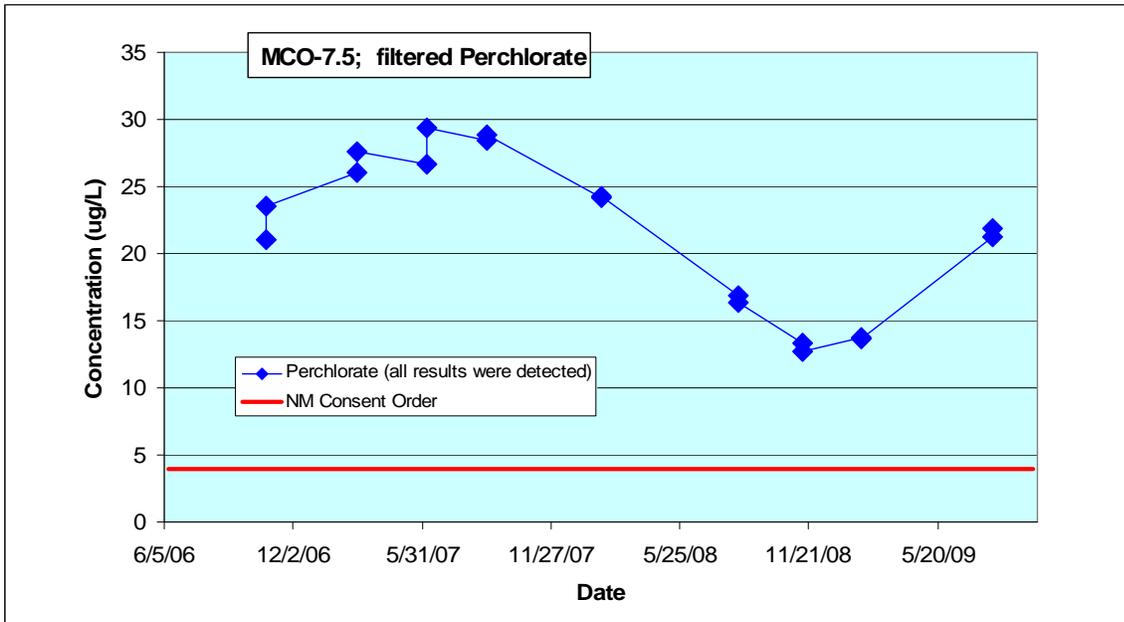
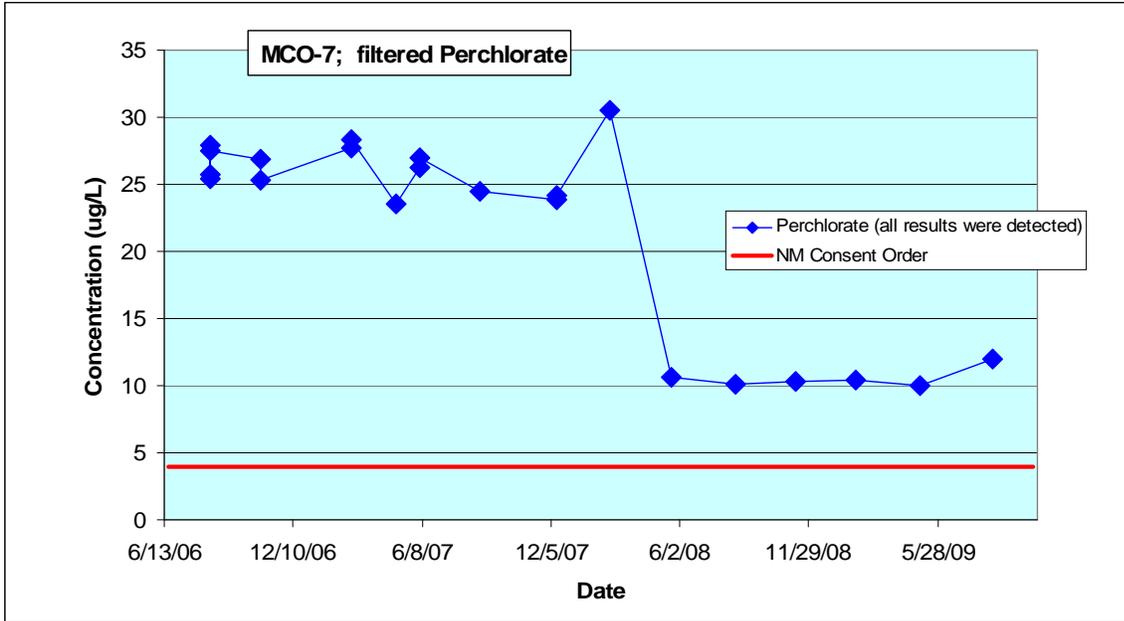


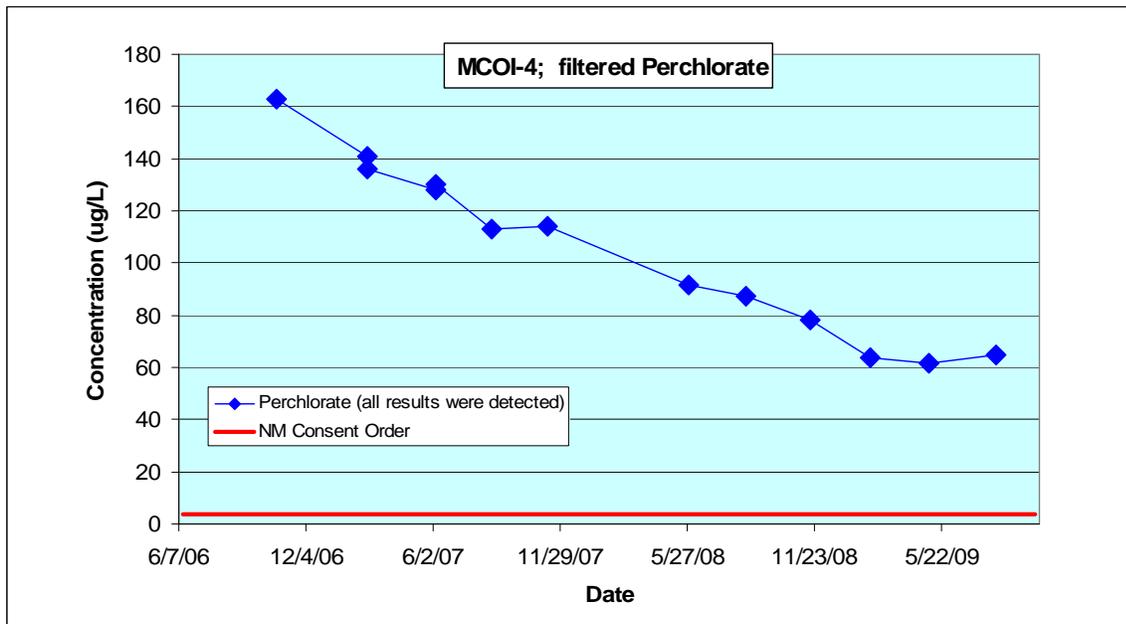
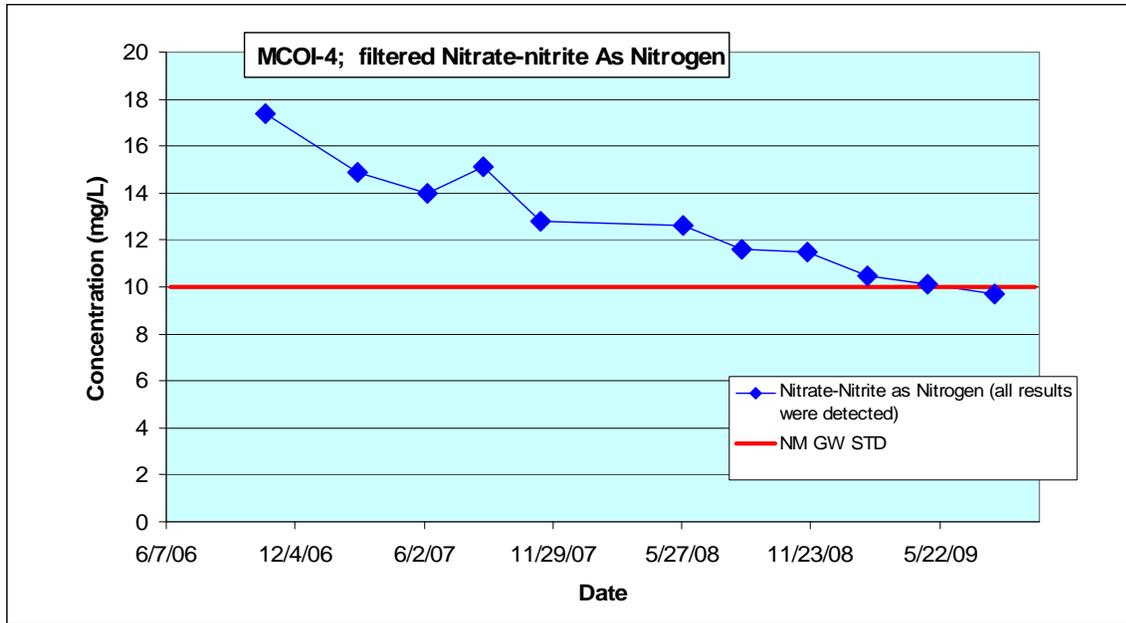


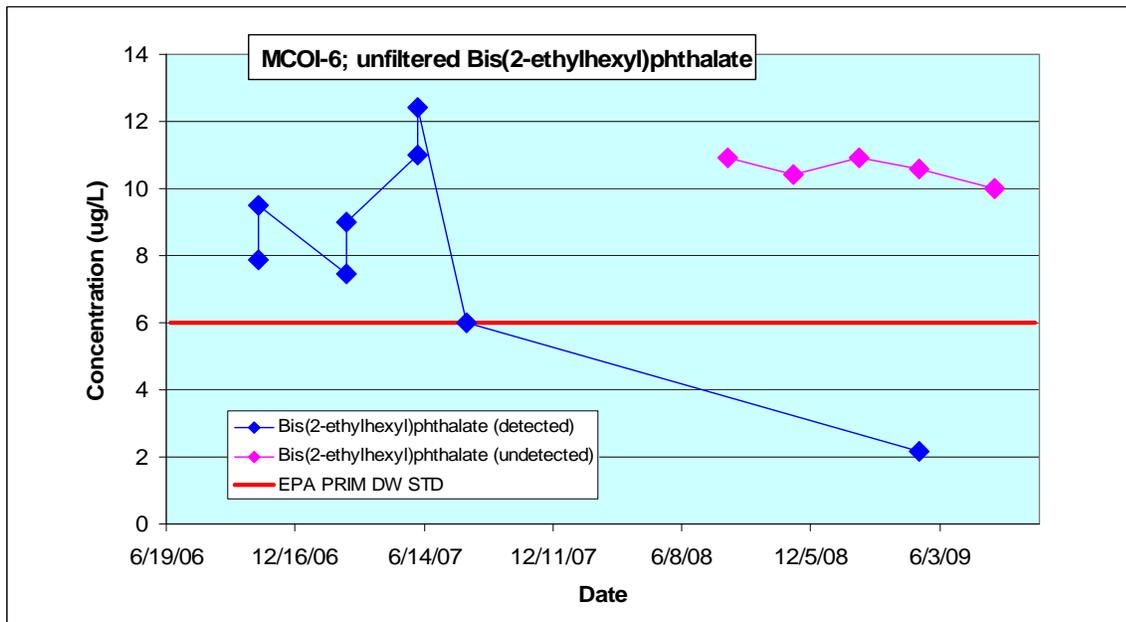
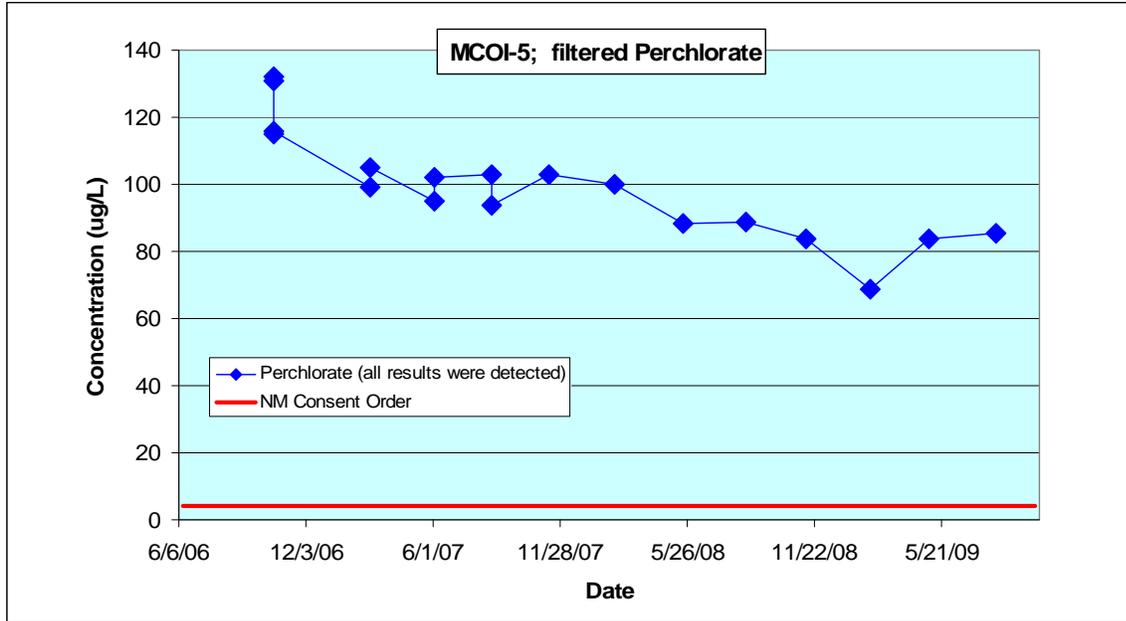


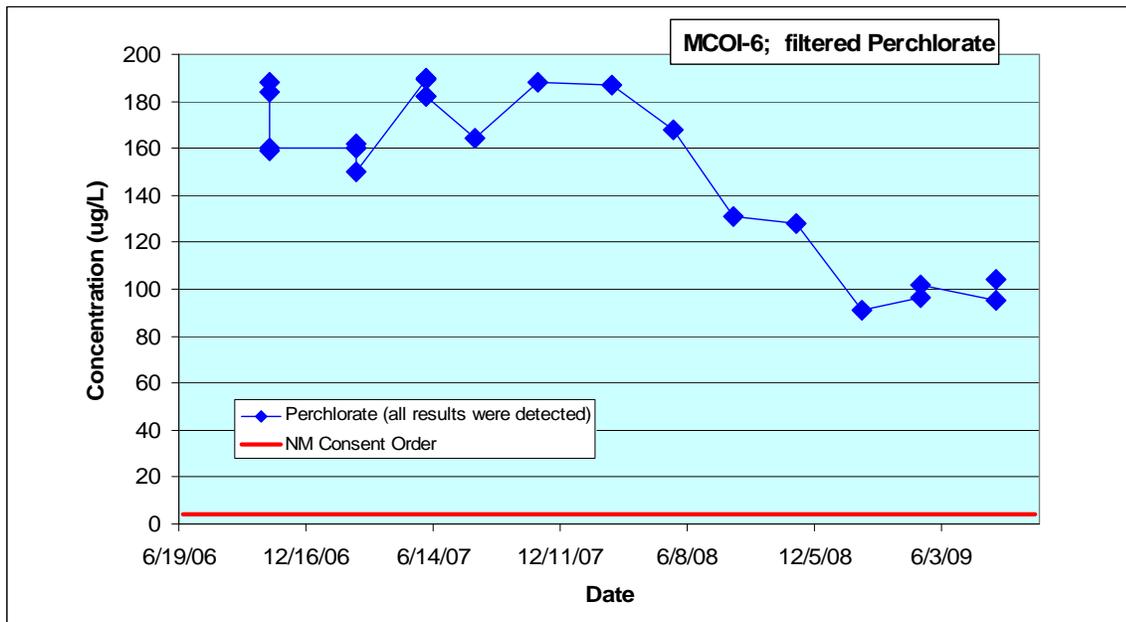
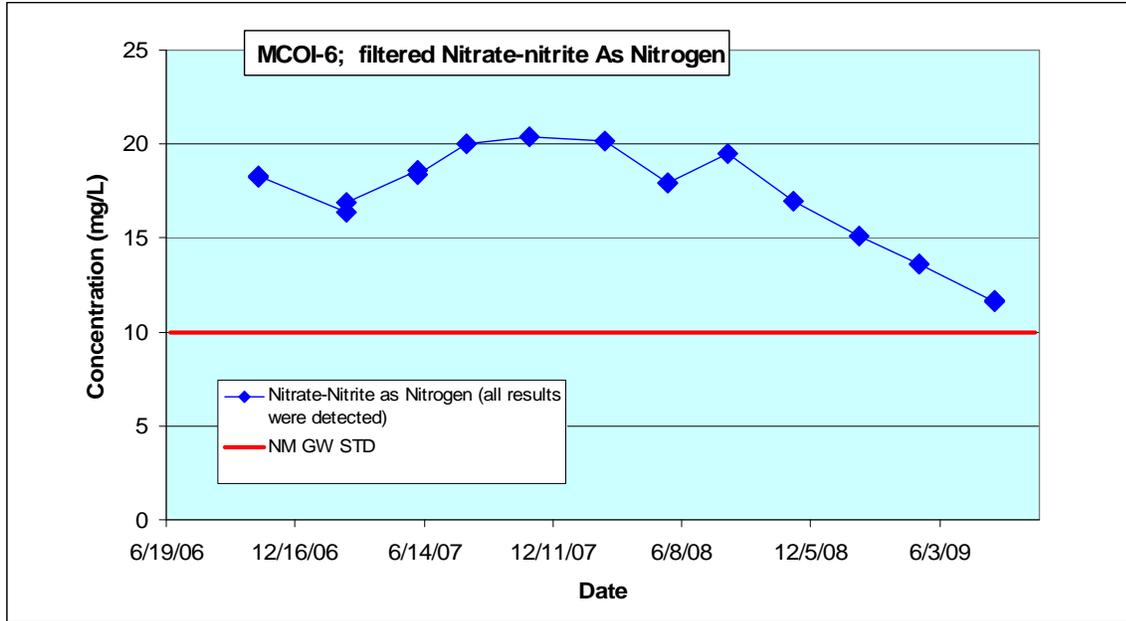


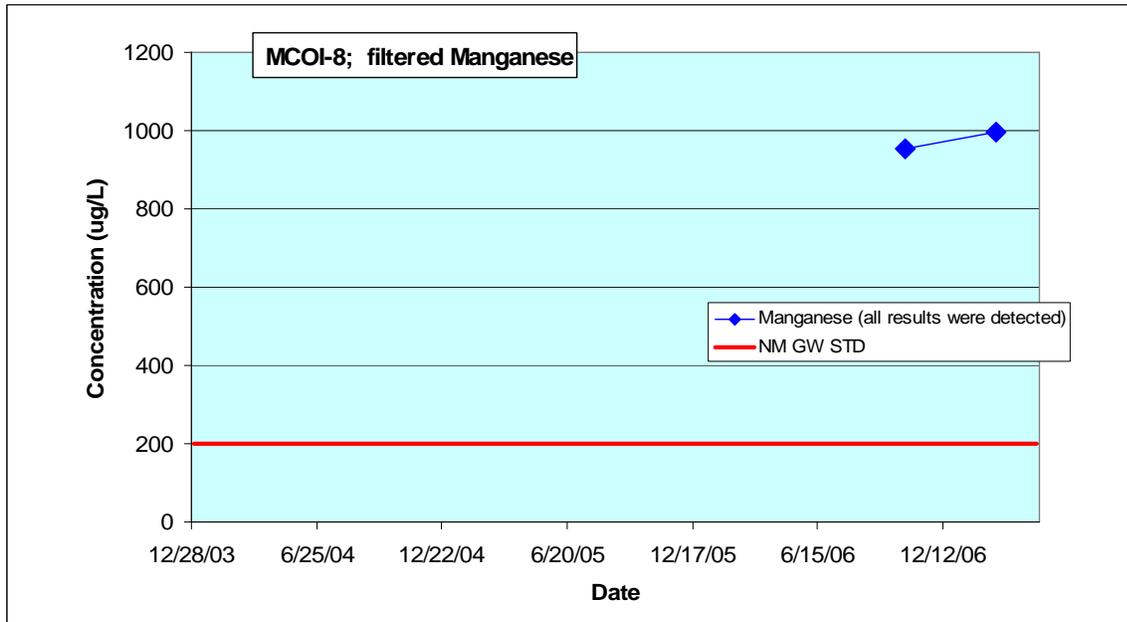
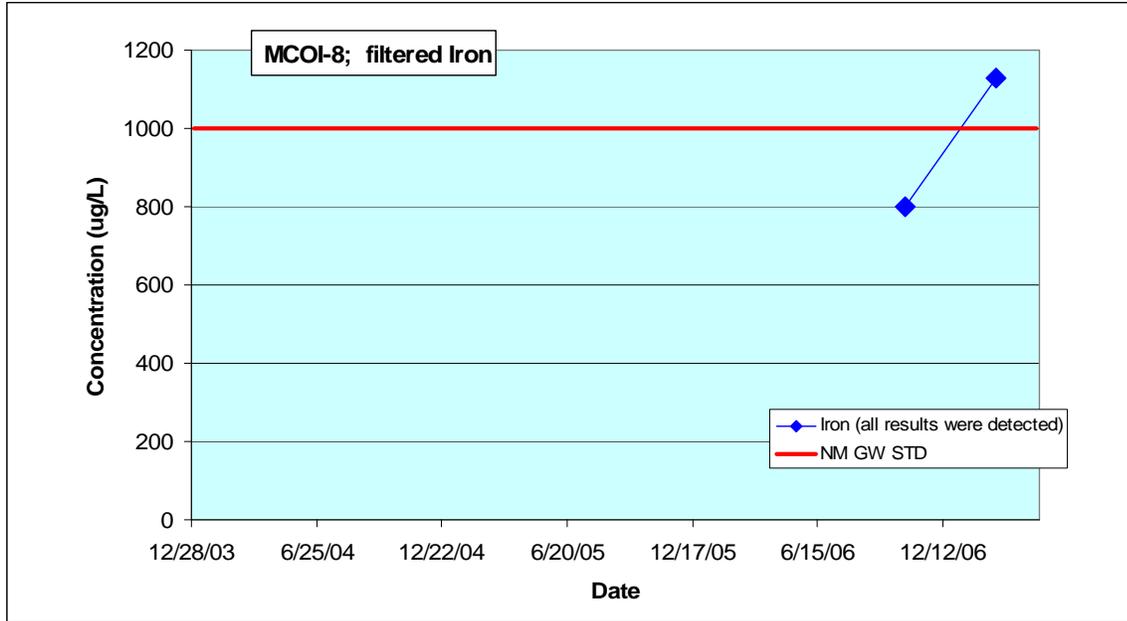


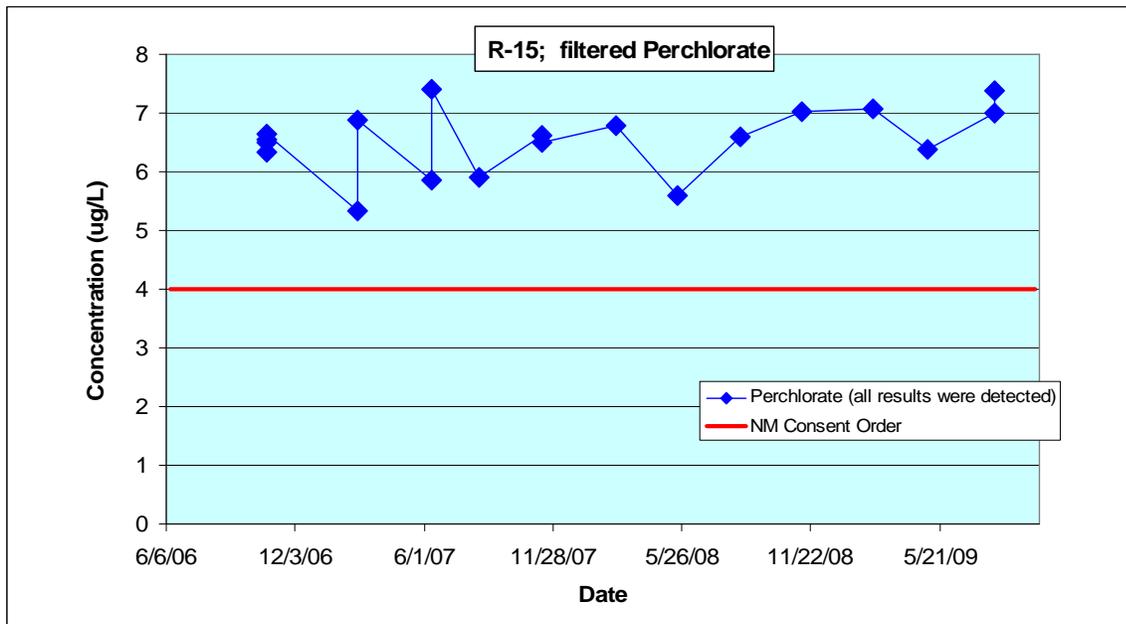
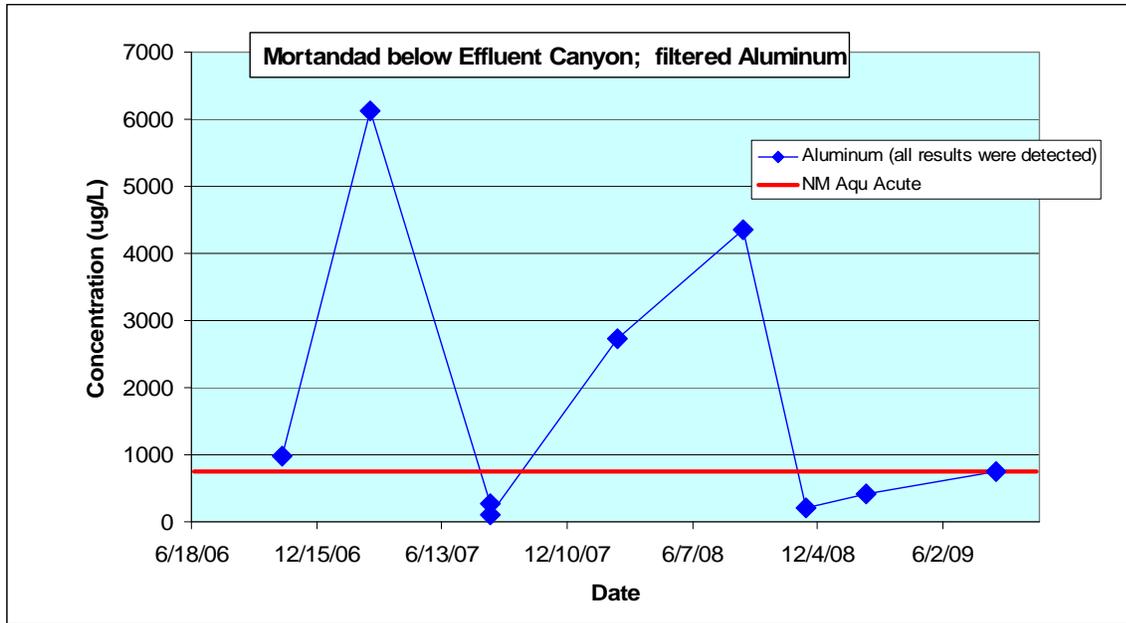


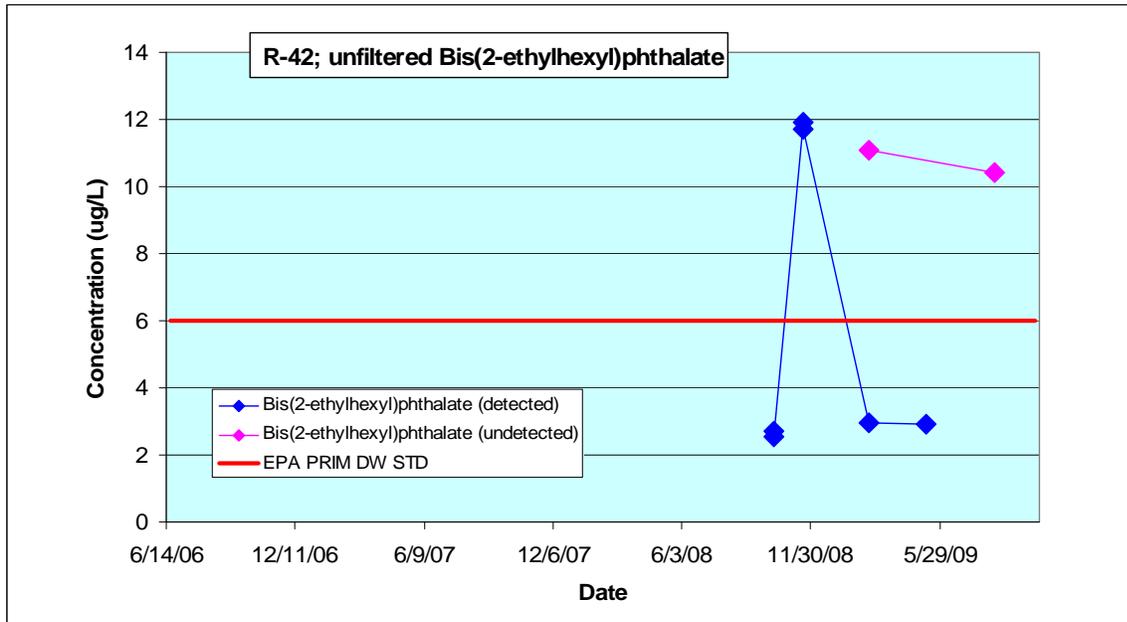
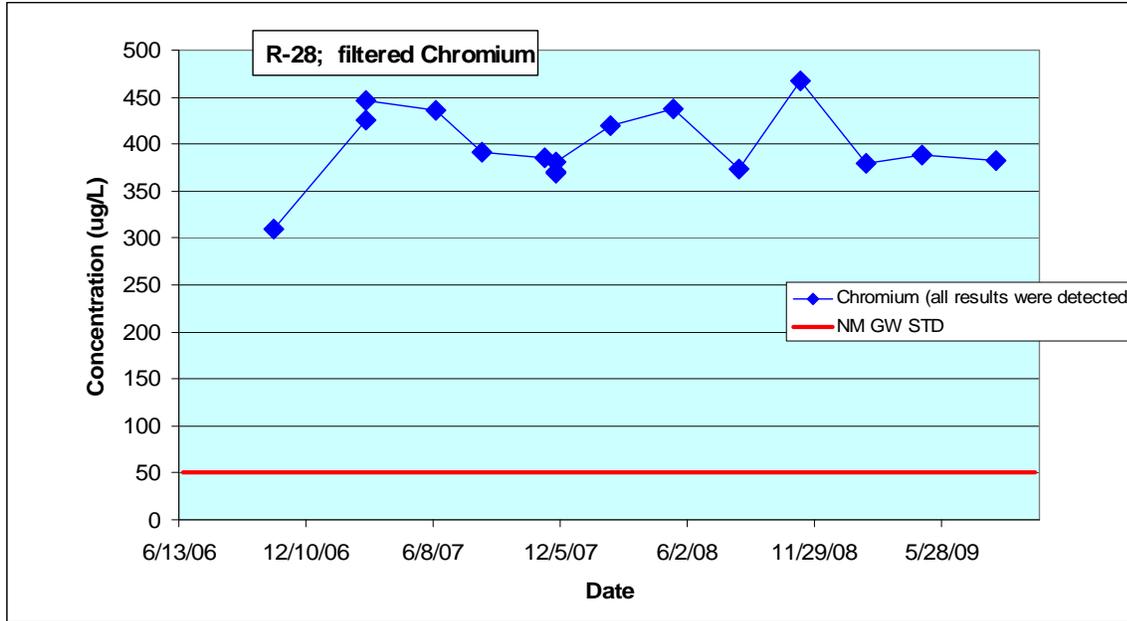


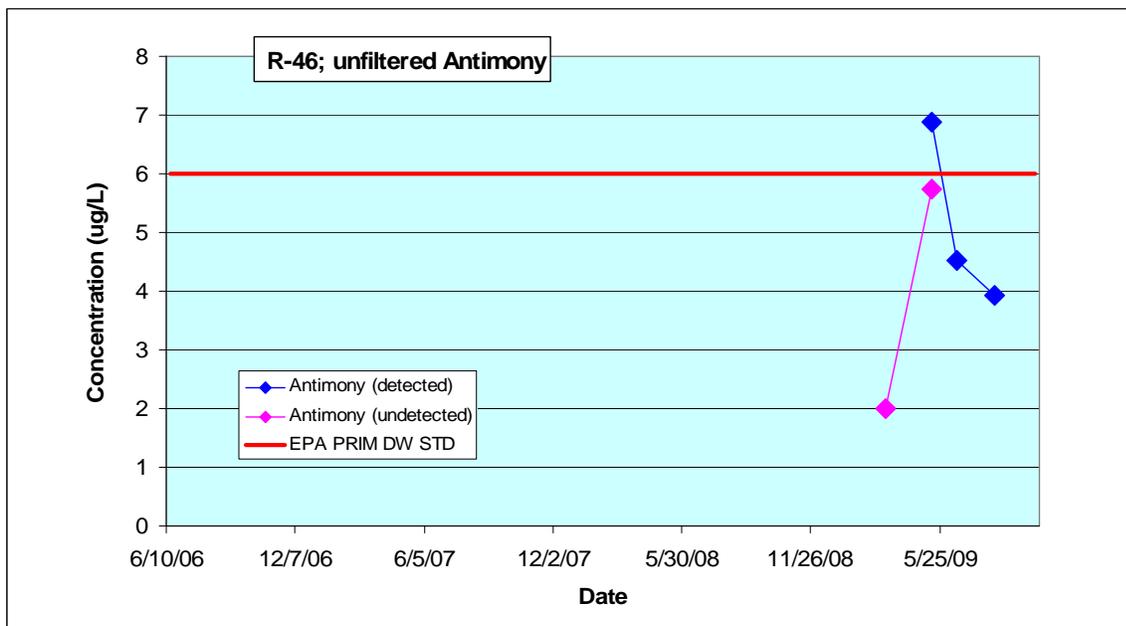
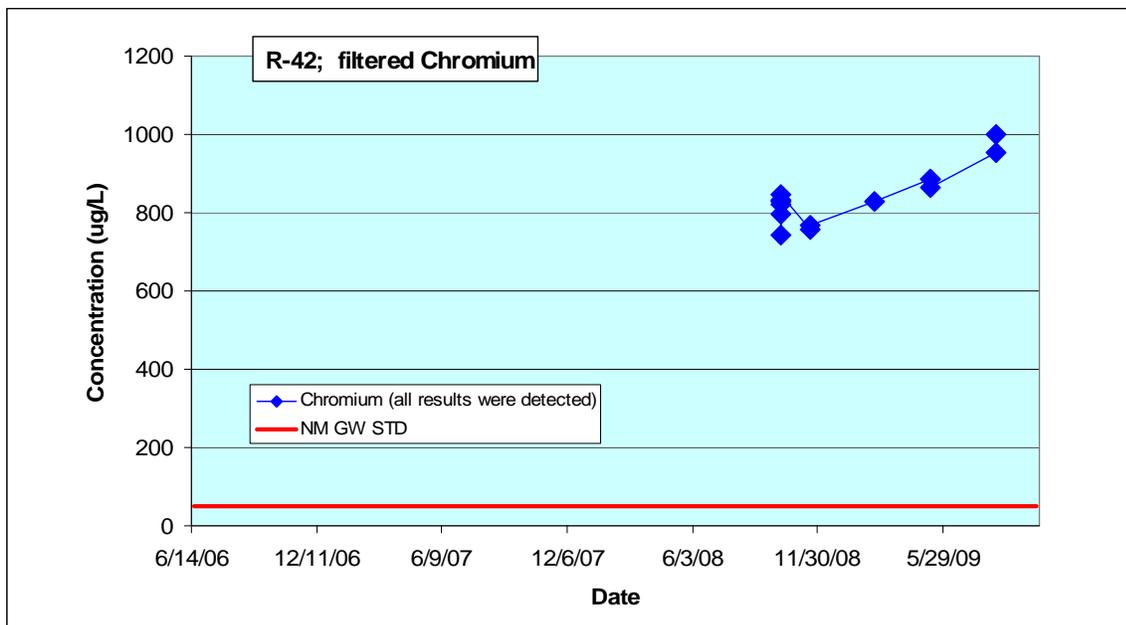


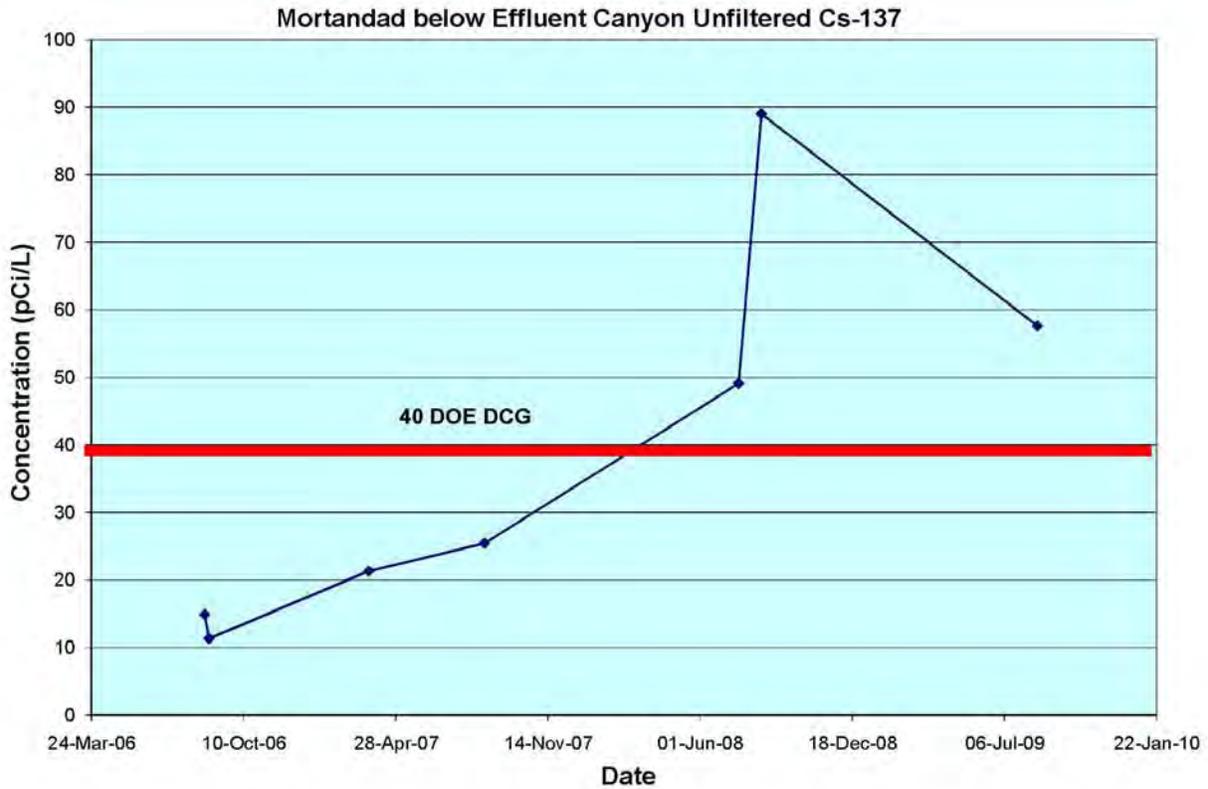
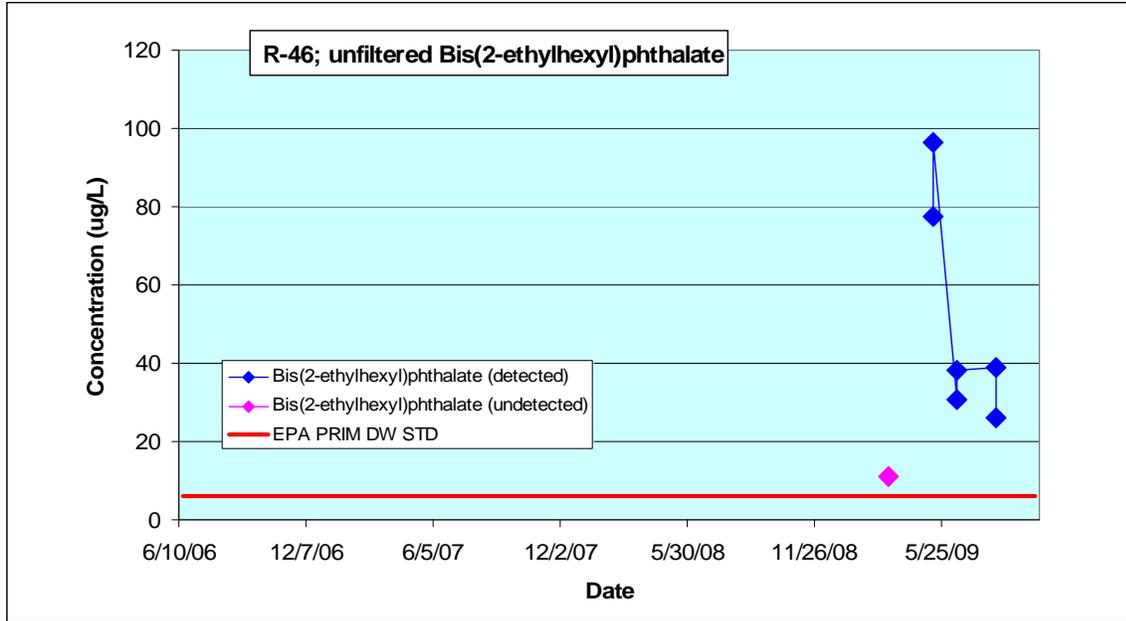




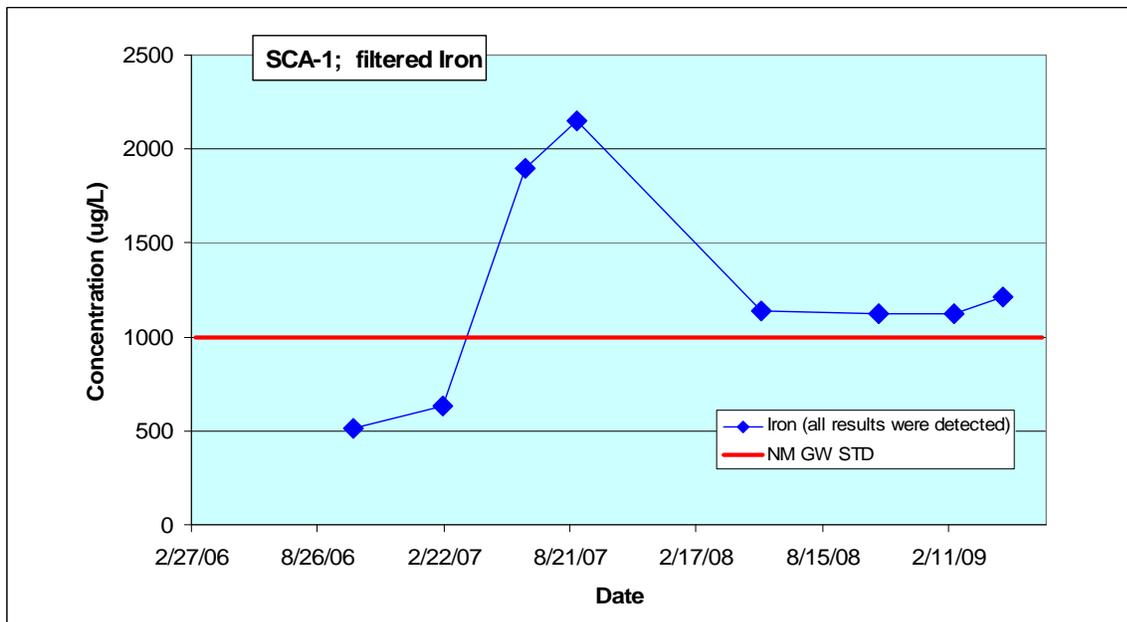
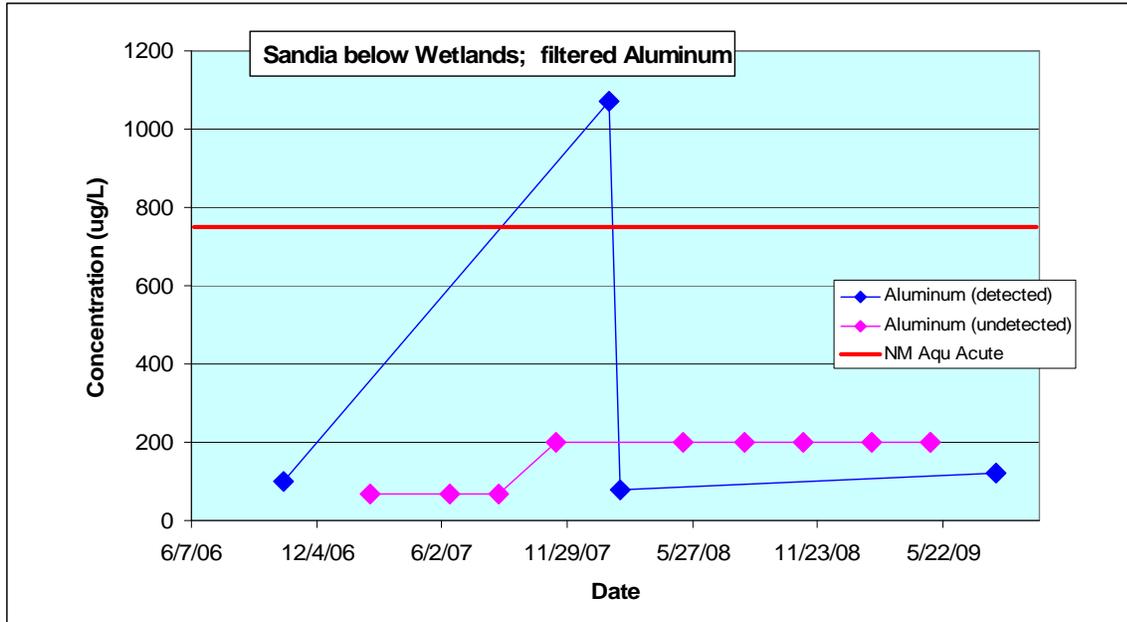


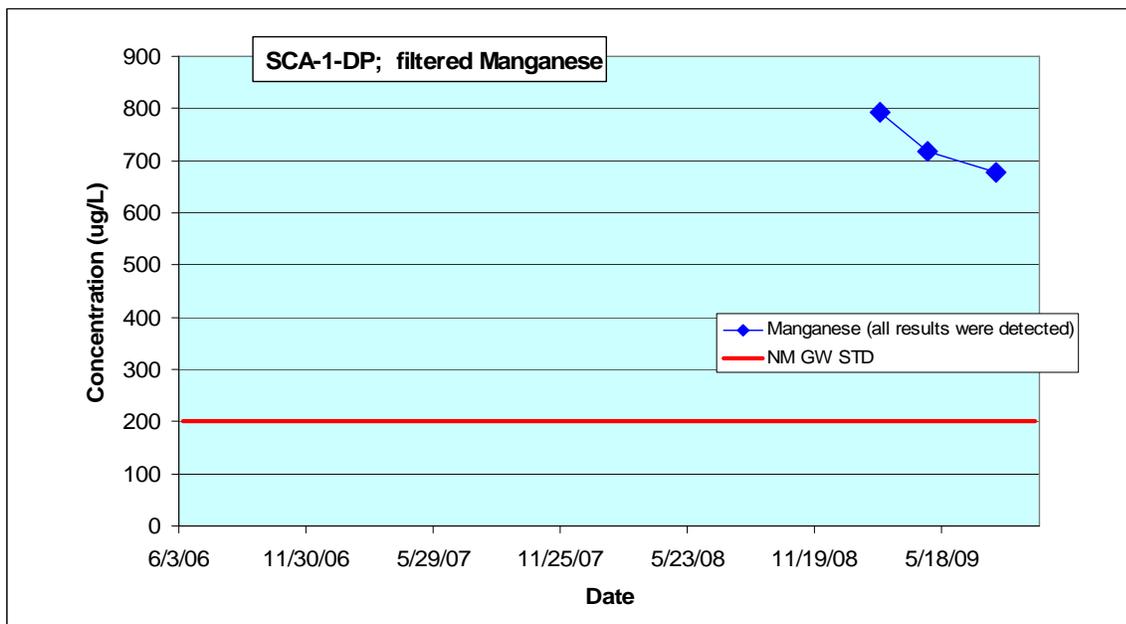
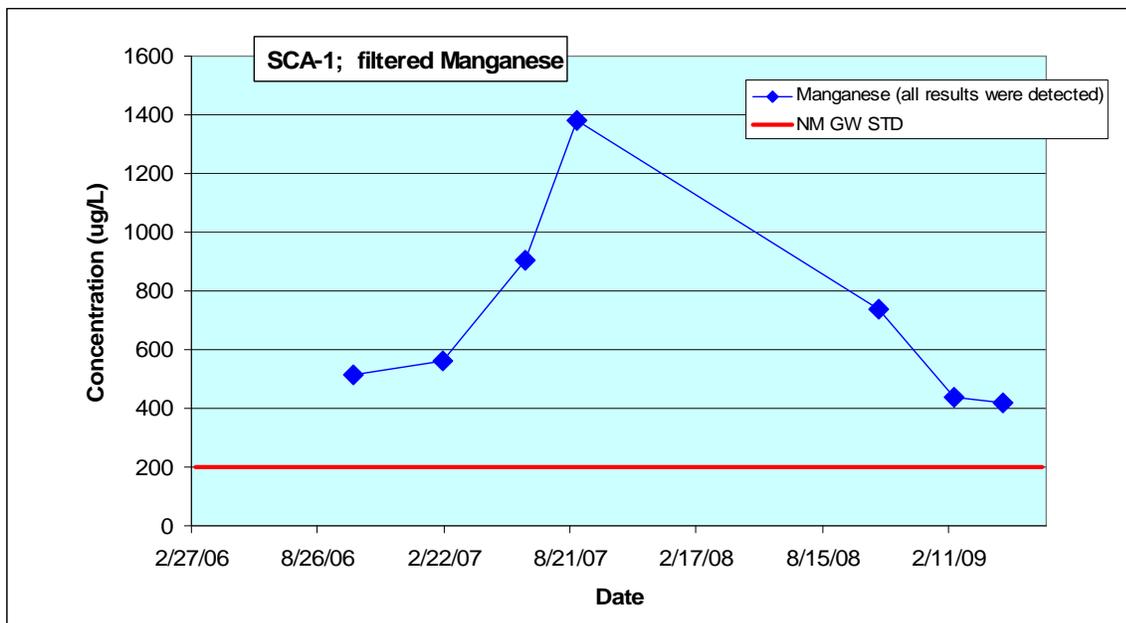


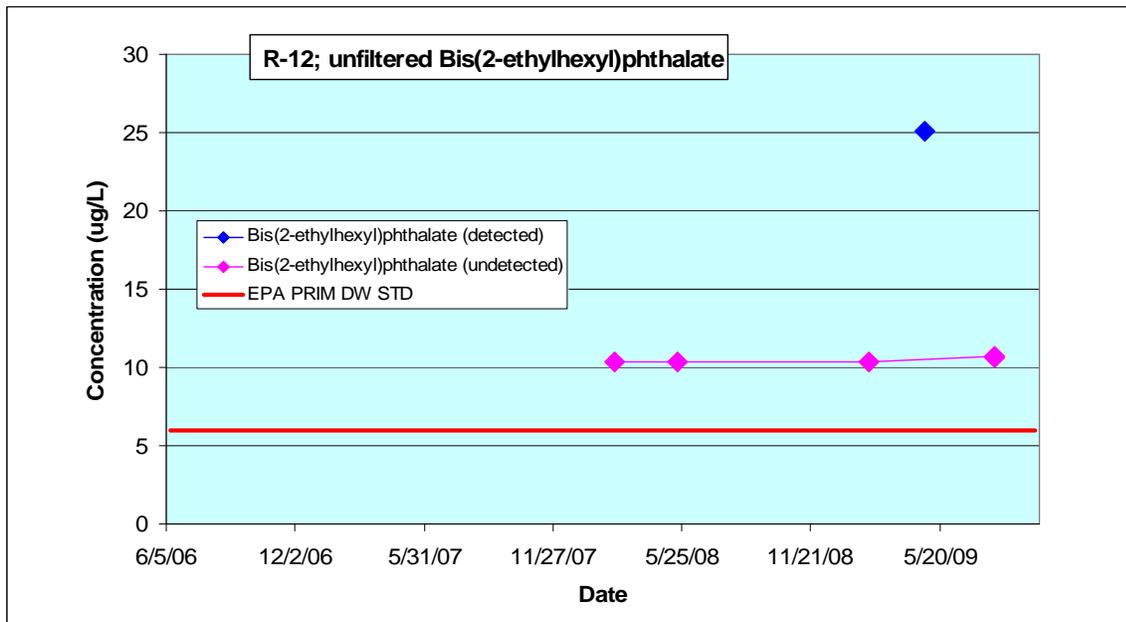
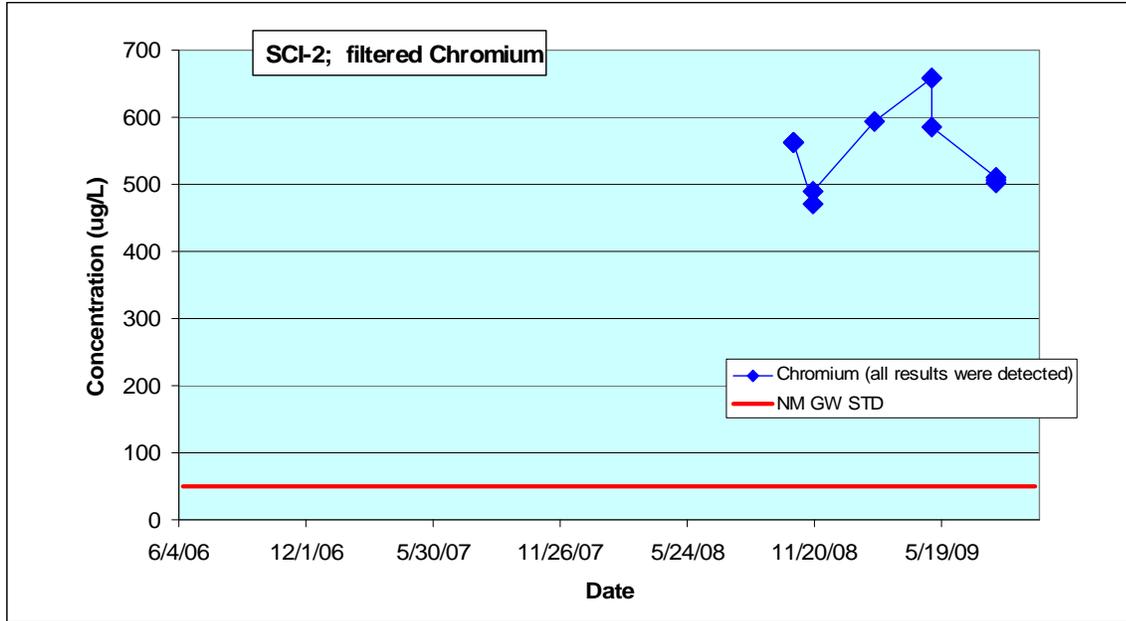


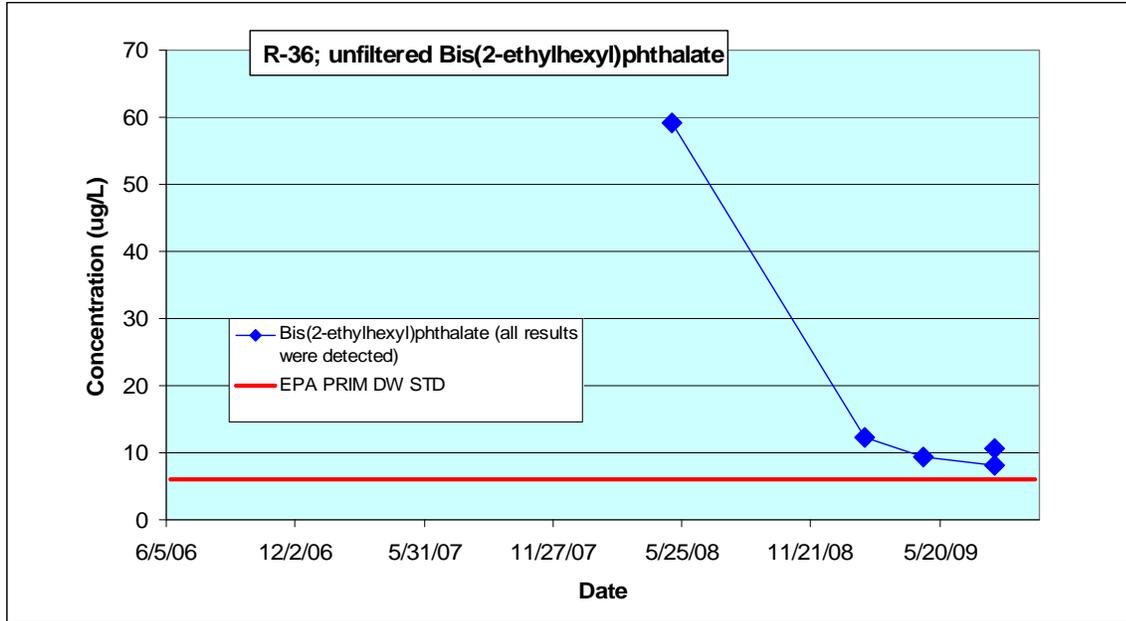


E-2 SANDIA WATERSHED









Appendix F

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

F-1 MORTANDAD WATERSHED

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2384	CAMO-09-10498	DIOX/FUR	ALTC	6/17/2009	R-46	1340
09-2385	CAMO-09-10498	GENINORG	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10498	HERB	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10498	HEXP	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10498	PEST/PCB	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10498	SVOA	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10498	VOA	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10500	VOA	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10525	SVOA	GELC	6/17/2009	R-46	1340
09-2385	CAMO-09-10525	VOA	GELC	6/17/2009	R-46	1340
09-2386	CAMO-09-10498	GENINORG	GELC	6/17/2009	R-46	1340
09-2386	CAMO-09-10498	METALS	GELC	6/17/2009	R-46	1340
09-2386	CAMO-09-10499	GENINORG	GELC	6/17/2009	R-46	1340
09-2386	CAMO-09-10499	METALS	GELC	6/17/2009	R-46	1340
09-2387	CAMO-09-10498	RAD	GELC	6/17/2009	R-46	1340
09-2387	CAMO-09-10499	RAD	GELC	6/17/2009	R-46	1340
09-2461	CAMO-09-10498	RAD	UMTL	6/17/2009	R-46	1340
09-2468	CAMO-09-10818	HERB	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10818	HEXP	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10818	PEST/PCB	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10818	SVOA	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10818	VOA	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10820	VOA	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10821	SVOA	GELC	6/24/2009	Test Well 8	953
09-2468	CAMO-09-10821	VOA	GELC	6/24/2009	Test Well 8	953
09-2469	CAMO-09-10818	GENINORG	GELC	6/24/2009	Test Well 8	953
09-2469	CAMO-09-10818	METALS	GELC	6/24/2009	Test Well 8	953
09-2469	CAMO-09-10818	RAD	GELC	6/24/2009	Test Well 8	953
09-2469	CAMO-09-10819	GENINORG	GELC	6/24/2009	Test Well 8	953
09-2469	CAMO-09-10819	METALS	GELC	6/24/2009	Test Well 8	953
09-2629	CAMO-09-11393	HEXP	STSL	7/14/2009	R-44	985.3
09-2629	CAMO-09-11399	HEXP	STSL	7/14/2009	R-44	985.3
09-2630	CAMO-09-11393	DIOX/FUR	ALTC	7/14/2009	R-44	985.3
09-2630	CAMO-09-11399	DIOX/FUR	ALTC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11393	GENINORG	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11393	HERB	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11393	HEXP	GELC	7/14/2009	R-44	985.3

Periodic Monitoring Report for Mortandad and Sandia Watersheds

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2631	CAMO-09-11393	PEST/PCB	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11393	SVOA	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11393	VOA	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11397	VOA	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11398	VOA	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11399	GENINORG	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11399	HEXP	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11399	PEST/PCB	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11399	SVOA	GELC	7/14/2009	R-44	985.3
09-2631	CAMO-09-11399	VOA	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11393	GENINORG	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11393	METALS	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11394	METALS	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11395	GENINORG	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11395	METALS	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11399	GENINORG	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11399	METALS	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11400	GENINORG	GELC	7/14/2009	R-44	985.3
09-2632	CAMO-09-11400	METALS	GELC	7/14/2009	R-44	985.3
09-2633	CAMO-09-11393	RAD	GELC	7/14/2009	R-44	985.3
09-2633	CAMO-09-11395	RAD	GELC	7/14/2009	R-44	985.3
09-2633	CAMO-09-11399	RAD	GELC	7/14/2009	R-44	985.3
09-2633	CAMO-09-11400	RAD	GELC	7/14/2009	R-44	985.3
09-2634	CAMO-09-11387	RAD	UMTL	7/14/2009	R-44	895
09-2634	CAMO-09-11393	RAD	UMTL	7/14/2009	R-44	985.3
09-2634	CAMO-09-11399	RAD	UMTL	7/14/2009	R-44	985.3
09-2644	CAMO-09-11387	DIOX/FUR	ALTC	7/14/2009	R-44	895
09-2645	CAMO-09-11387	HEXP	STSL	7/14/2009	R-44	895
09-2646	CAMO-09-11387	GENINORG	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11387	HERB	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11387	HEXP	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11387	PEST/PCB	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11387	SVOA	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11387	VOA	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11390	VOA	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11391	VOA	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11392	SVOA	GELC	7/14/2009	R-44	895
09-2646	CAMO-09-11392	VOA	GELC	7/14/2009	R-44	895
09-2647	CAMO-09-11387	GENINORG	GELC	7/14/2009	R-44	895
09-2647	CAMO-09-11387	METALS	GELC	7/14/2009	R-44	895

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2647	CAMO-09-11388	GENINORG	GELC	7/14/2009	R-44	895
09-2647	CAMO-09-11388	METALS	GELC	7/14/2009	R-44	895
09-2647	CAMO-09-11389	METALS	GELC	7/14/2009	R-44	895
09-2648	CAMO-09-11387	RAD	GELC	7/14/2009	R-44	895
09-2648	CAMO-09-11388	RAD	GELC	7/14/2009	R-44	895
09-2676	CAMO-09-11401	HERB	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11401	HEXP	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11401	PEST/PCB	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11401	SVOA	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11401	VOA	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11404	SVOA	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11404	VOA	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11405	VOA	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11406	VOA	GELC	7/16/2009	R-45	880
09-2676	CAMO-09-11407	VOA	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11408	SVOA	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11408	VOA	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11410	VOA	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11412	HERB	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11412	HEXP	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11412	PEST/PCB	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11412	SVOA	GELC	7/16/2009	R-45	974.9
09-2676	CAMO-09-11412	VOA	GELC	7/16/2009	R-45	974.9
09-2677	CAMO-09-11401	GENINORG	GELC	7/16/2009	R-45	880
09-2677	CAMO-09-11401	METALS	GELC	7/16/2009	R-45	880
09-2677	CAMO-09-11402	METALS	GELC	7/16/2009	R-45	880
09-2677	CAMO-09-11403	GENINORG	GELC	7/16/2009	R-45	880
09-2677	CAMO-09-11403	METALS	GELC	7/16/2009	R-45	880
09-2677	CAMO-09-11409	METALS	GELC	7/16/2009	R-45	974.9
09-2677	CAMO-09-11411	GENINORG	GELC	7/16/2009	R-45	974.9
09-2677	CAMO-09-11411	METALS	GELC	7/16/2009	R-45	974.9
09-2677	CAMO-09-11412	GENINORG	GELC	7/16/2009	R-45	974.9
09-2677	CAMO-09-11412	METALS	GELC	7/16/2009	R-45	974.9
09-2678	CAMO-09-11401	RAD	GELC	7/16/2009	R-45	880
09-2678	CAMO-09-11403	RAD	GELC	7/16/2009	R-45	880
09-2678	CAMO-09-11411	RAD	GELC	7/16/2009	R-45	974.9
09-2678	CAMO-09-11412	RAD	GELC	7/16/2009	R-45	974.9
09-2680	CAMO-09-11401	HEXP	STSL	7/16/2009	R-45	880
09-2680	CAMO-09-11412	HEXP	STSL	7/16/2009	R-45	974.9
09-2686	CAMO-09-11401	DIOX/FUR	ALTC	7/16/2009	R-45	880

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2686	CAMO-09-11412	DIOX/FUR	ALTC	7/16/2009	R-45	974.9
09-2697	CAMO-09-11401	RAD	UMTL	7/16/2009	R-45	880
09-2697	CAMO-09-11412	RAD	UMTL	7/16/2009	R-45	974.9
09-2791	CAMO-09-9515	RAD	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9515	SVOA	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9515	VOA	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9516	RAD	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9516	SVOA	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9516	VOA	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9517	VOA	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9520	SVOA	GELC	8/5/2009	MCO-7.5	35
09-2791	CAMO-09-9520	VOA	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9515	GENINORG	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9515	METALS	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9516	GENINORG	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9516	METALS	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9518	GENINORG	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9518	METALS	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9519	GENINORG	GELC	8/5/2009	MCO-7.5	35
09-2792	CAMO-09-9519	METALS	GELC	8/5/2009	MCO-7.5	35
09-2803	CAMO-09-9471	GENINORG	GELC	8/6/2009	MCO-0.6	1.05
09-2803	CAMO-09-9471	METALS	GELC	8/6/2009	MCO-0.6	1.05
09-2803	CAMO-09-9472	GENINORG	GELC	8/6/2009	MCO-0.6	1.05
09-2803	CAMO-09-9472	METALS	GELC	8/6/2009	MCO-0.6	1.05
09-2803	CAMO-09-9485	GENINORG	GELC	8/6/2009	MCA-1	2.4
09-2803	CAMO-09-9485	METALS	GELC	8/6/2009	MCA-1	2.4
09-2803	CAMO-09-9486	GENINORG	GELC	8/6/2009	MCA-1	2.4
09-2803	CAMO-09-9486	METALS	GELC	8/6/2009	MCA-1	2.4
09-2803	CAMO-09-9540	GENINORG	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9540	METALS	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9542	GENINORG	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9542	METALS	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9543	GENINORG	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9543	METALS	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9544	GENINORG	GELC	8/6/2009	R-15	958.6
09-2803	CAMO-09-9544	METALS	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9472	SVOA	GELC	8/6/2009	MCO-0.6	1.05
09-2804	CAMO-09-9472	VOA	GELC	8/6/2009	MCO-0.6	1.05
09-2804	CAMO-09-9473	VOA	GELC	8/6/2009	MCO-0.6	1.05
09-2804	CAMO-09-9483	SVOA	GELC	8/6/2009	MCA-1	2.4

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2804	CAMO-09-9483	VOA	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9484	VOA	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9485	HERB	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9485	HEXP	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9485	PEST/PCB	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9485	SVOA	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9485	VOA	GELC	8/6/2009	MCA-1	2.4
09-2804	CAMO-09-9541	VOA	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9542	SVOA	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9542	VOA	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9544	SVOA	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9544	VOA	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9545	SVOA	GELC	8/6/2009	R-15	958.6
09-2804	CAMO-09-9545	VOA	GELC	8/6/2009	R-15	958.6
09-2805	CAMO-09-9472	RAD	GELC	8/6/2009	MCO-0.6	1.05
09-2805	CAMO-09-9485	RAD	GELC	8/6/2009	MCA-1	2.4
09-2805	CAMO-09-9542	RAD	GELC	8/6/2009	R-15	958.6
09-2805	CAMO-09-9544	RAD	GELC	8/6/2009	R-15	958.6
09-2806	CAMO-09-9527	SVOA	GELC	8/7/2009	MCOI-4	499
09-2806	CAMO-09-9527	VOA	GELC	8/7/2009	MCOI-4	499
09-2806	CAMO-09-9529	VOA	GELC	8/7/2009	MCOI-4	499
09-2806	CAMO-09-9530	VOA	GELC	8/6/2009	MCOI-5	689
09-2806	CAMO-09-9532	SVOA	GELC	8/6/2009	MCOI-5	689
09-2806	CAMO-09-9532	VOA	GELC	8/6/2009	MCOI-5	689
09-2806	CAMO-09-9557	SVOA	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9557	VOA	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9558	HERB	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9558	HEXP	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9558	PEST/PCB	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9558	SVOA	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9558	VOA	GELC	8/6/2009	R-13	958.3
09-2806	CAMO-09-9559	VOA	GELC	8/6/2009	R-13	958.3
09-2807	CAMO-09-10298	METALS	GELC	8/6/2009	MCOI-5	689
09-2807	CAMO-09-9527	GENINORG	GELC	8/7/2009	MCOI-4	499
09-2807	CAMO-09-9527	METALS	GELC	8/7/2009	MCOI-4	499
09-2807	CAMO-09-9528	GENINORG	GELC	8/7/2009	MCOI-4	499
09-2807	CAMO-09-9528	METALS	GELC	8/7/2009	MCOI-4	499
09-2807	CAMO-09-9531	GENINORG	GELC	8/6/2009	MCOI-5	689
09-2807	CAMO-09-9531	METALS	GELC	8/6/2009	MCOI-5	689
09-2807	CAMO-09-9532	GENINORG	GELC	8/6/2009	MCOI-5	689

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2807	CAMO-09-9532	METALS	GELC	8/6/2009	MCOI-5	689
09-2807	CAMO-09-9558	GENINORG	GELC	8/6/2009	R-13	958.3
09-2807	CAMO-09-9558	METALS	GELC	8/6/2009	R-13	958.3
09-2807	CAMO-09-9560	GENINORG	GELC	8/6/2009	R-13	958.3
09-2807	CAMO-09-9560	METALS	GELC	8/6/2009	R-13	958.3
09-2808	CAMO-09-9527	RAD	GELC	8/7/2009	MCOI-4	499
09-2808	CAMO-09-9532	RAD	GELC	8/6/2009	MCOI-5	689
09-2808	CAMO-09-9558	RAD	GELC	8/6/2009	R-13	958.3
09-2819	CAMO-09-9571	DIOX/FUR	ALTC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9571	GENINORG	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9571	HERB	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9571	HEXP	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9571	PEST/PCB	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9571	SVOA	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9571	VOA	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9572	VOA	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9574	SVOA	GELC	8/7/2009	R-14	1200.6
09-2820	CAMO-09-9574	VOA	GELC	8/7/2009	R-14	1200.6
09-2821	CAMO-09-9571	GENINORG	GELC	8/7/2009	R-14	1200.6
09-2821	CAMO-09-9571	METALS	GELC	8/7/2009	R-14	1200.6
09-2821	CAMO-09-9571	RAD	GELC	8/7/2009	R-14	1200.6
09-2821	CAMO-09-9573	GENINORG	GELC	8/7/2009	R-14	1200.6
09-2821	CAMO-09-9573	METALS	GELC	8/7/2009	R-14	1200.6
09-2823	CAMO-09-9485	DIOX/FUR	ALTC	8/6/2009	MCA-1	2.4
09-2828	CAMO-09-10260	DIOX/FUR	ALTC	8/10/2009	R-46	1340
09-2829	CAMO-09-10260	GENINORG	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10260	HERB	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10260	HEXP	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10260	PEST/PCB	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10260	SVOA	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10260	VOA	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10261	SVOA	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10261	VOA	GELC	8/10/2009	R-46	1340
09-2829	CAMO-09-10262	VOA	GELC	8/10/2009	R-46	1340
09-2830	CAMO-09-10259	GENINORG	GELC	8/10/2009	R-46	1340
09-2830	CAMO-09-10259	METALS	GELC	8/10/2009	R-46	1340
09-2830	CAMO-09-10260	GENINORG	GELC	8/10/2009	R-46	1340
09-2830	CAMO-09-10260	METALS	GELC	8/10/2009	R-46	1340
09-2830	CAMO-09-10260	RAD	GELC	8/10/2009	R-46	1340
09-2840	CAMO-09-9554	VOA	GELC	8/11/2009	R-16r	600

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2840	CAMO-09-9555	SVOA	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9555	VOA	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9556	GENINORG	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9556	HERB	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9556	HEXP	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9556	PEST/PCB	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9556	SVOA	GELC	8/11/2009	R-16r	600
09-2840	CAMO-09-9556	VOA	GELC	8/11/2009	R-16r	600
09-2841	CAMO-09-9553	GENINORG	GELC	8/11/2009	R-16r	600
09-2841	CAMO-09-9553	METALS	GELC	8/11/2009	R-16r	600
09-2841	CAMO-09-9556	GENINORG	GELC	8/11/2009	R-16r	600
09-2841	CAMO-09-9556	METALS	GELC	8/11/2009	R-16r	600
09-2841	CAMO-09-9556	RAD	GELC	8/11/2009	R-16r	600
09-2842	CAMO-09-10260	RAD	UMTL	8/10/2009	R-46	1340
09-2842	CAMO-09-9472	RAD	UMTL	8/6/2009	MCO-0.6	1.05
09-2842	CAMO-09-9542	RAD	UMTL	8/6/2009	R-15	958.6
09-2842	CAMO-09-9544	RAD	UMTL	8/6/2009	R-15	958.6
09-2842	CAMO-09-9556	RAD	UMTL	8/11/2009	R-16r	600
09-2842	CAMO-09-9558	RAD	UMTL	8/6/2009	R-13	958.3
09-2842	CAMO-09-9571	RAD	UMTL	8/7/2009	R-14	1200.6
09-2856	CAMO-09-9487	HERB	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9487	HEXP	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9487	PEST/PCB	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9487	SVOA	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9487	VOA	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9489	SVOA	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9489	VOA	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9490	VOA	GELC	8/12/2009	MCO-3	2
09-2856	CAMO-09-9491	VOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9492	SVOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9492	VOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9494	SVOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9494	VOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9496	SVOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9496	VOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9497	SVOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9497	VOA	GELC	8/12/2009	MCO-2	2
09-2856	CAMO-09-9506	VOA	GELC	8/12/2009	MCO-6	27
09-2856	CAMO-09-9507	SVOA	GELC	8/12/2009	MCO-6	27
09-2856	CAMO-09-9507	VOA	GELC	8/12/2009	MCO-6	27

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2856	CAMO-09-9561	VOA	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9562	SVOA	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9562	VOA	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9563	HERB	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9563	HEXP	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9563	PEST/PCB	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9563	SVOA	GELC	8/12/2009	R-34	883.7
09-2856	CAMO-09-9563	VOA	GELC	8/12/2009	R-34	883.7
09-2857	CAMO-09-9487	GENINORG	GELC	8/12/2009	MCO-3	2
09-2857	CAMO-09-9487	METALS	GELC	8/12/2009	MCO-3	2
09-2857	CAMO-09-9488	GENINORG	GELC	8/12/2009	MCO-3	2
09-2857	CAMO-09-9488	METALS	GELC	8/12/2009	MCO-3	2
09-2857	CAMO-09-9492	GENINORG	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9492	METALS	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9493	GENINORG	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9493	METALS	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9494	GENINORG	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9494	METALS	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9495	GENINORG	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9495	METALS	GELC	8/12/2009	MCO-2	2
09-2857	CAMO-09-9505	GENINORG	GELC	8/12/2009	MCO-6	27
09-2857	CAMO-09-9505	METALS	GELC	8/12/2009	MCO-6	27
09-2857	CAMO-09-9507	GENINORG	GELC	8/12/2009	MCO-6	27
09-2857	CAMO-09-9507	METALS	GELC	8/12/2009	MCO-6	27
09-2857	CAMO-09-9563	GENINORG	GELC	8/12/2009	R-34	883.7
09-2857	CAMO-09-9563	METALS	GELC	8/12/2009	R-34	883.7
09-2857	CAMO-09-9564	GENINORG	GELC	8/12/2009	R-34	883.7
09-2857	CAMO-09-9564	METALS	GELC	8/12/2009	R-34	883.7
09-2858	CAMO-09-9487	RAD	GELC	8/12/2009	MCO-3	2
09-2858	CAMO-09-9492	RAD	GELC	8/12/2009	MCO-2	2
09-2858	CAMO-09-9494	RAD	GELC	8/12/2009	MCO-2	2
09-2858	CAMO-09-9507	RAD	GELC	8/12/2009	MCO-6	27
09-2858	CAMO-09-9563	RAD	GELC	8/12/2009	R-34	883.7
09-2875	CAMO-09-9512	GENINORG	GELC	8/13/2009	MCO-7	39
09-2875	CAMO-09-9512	METALS	GELC	8/13/2009	MCO-7	39
09-2875	CAMO-09-9513	VOA	GELC	8/13/2009	MCO-7	39
09-2875	CAMO-09-9514	GENINORG	GELC	8/13/2009	MCO-7	39
09-2875	CAMO-09-9514	METALS	GELC	8/13/2009	MCO-7	39
09-2875	CAMO-09-9514	RAD	GELC	8/13/2009	MCO-7	39
09-2875	CAMO-09-9514	SVOA	GELC	8/13/2009	MCO-7	39

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2875	CAMO-09-9514	VOA	GELC	8/13/2009	MCO-7	39
09-2877	CAMO-09-9546	GENINORG	GELC	8/13/2009	R-28	934.3
09-2877	CAMO-09-9546	SVOA	GELC	8/13/2009	R-28	934.3
09-2877	CAMO-09-9546	VOA	GELC	8/13/2009	R-28	934.3
09-2877	CAMO-09-9548	VOA	GELC	8/13/2009	R-28	934.3
09-2877	CAMO-09-9549	GENINORG	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9549	HERB	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9549	HEXP	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9549	PEST/PCB	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9549	SVOA	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9549	VOA	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9550	VOA	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9552	SVOA	GELC	8/13/2009	R-1	1031.1
09-2877	CAMO-09-9552	VOA	GELC	8/13/2009	R-1	1031.1
09-2878	CAMO-09-9546	GENINORG	GELC	8/13/2009	R-28	934.3
09-2878	CAMO-09-9546	METALS	GELC	8/13/2009	R-28	934.3
09-2878	CAMO-09-9546	RAD	GELC	8/13/2009	R-28	934.3
09-2878	CAMO-09-9547	GENINORG	GELC	8/13/2009	R-28	934.3
09-2878	CAMO-09-9547	METALS	GELC	8/13/2009	R-28	934.3
09-2878	CAMO-09-9549	GENINORG	GELC	8/13/2009	R-1	1031.1
09-2878	CAMO-09-9549	METALS	GELC	8/13/2009	R-1	1031.1
09-2878	CAMO-09-9549	RAD	GELC	8/13/2009	R-1	1031.1
09-2878	CAMO-09-9551	GENINORG	GELC	8/13/2009	R-1	1031.1
09-2878	CAMO-09-9551	METALS	GELC	8/13/2009	R-1	1031.1
09-2888	CAMO-09-9578	DIOX/FUR	ALTC	8/14/2009	R-33	995.5
09-2888	CAMO-09-9580	DIOX/FUR	ALTC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9576	VOA	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9577	SVOA	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9577	VOA	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9578	GENINORG	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9578	HERB	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9578	HEXP	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9578	PEST/PCB	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9578	SVOA	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9578	VOA	GELC	8/14/2009	R-33	995.5
09-2889	CAMO-09-9580	GENINORG	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9580	HERB	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9580	HEXP	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9580	PEST/PCB	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9580	SVOA	GELC	8/14/2009	R-33	1112.4

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2889	CAMO-09-9580	VOA	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9581	VOA	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9582	SVOA	GELC	8/14/2009	R-33	1112.4
09-2889	CAMO-09-9582	VOA	GELC	8/14/2009	R-33	1112.4
09-2890	CAMO-09-9575	GENINORG	GELC	8/14/2009	R-33	995.5
09-2890	CAMO-09-9575	METALS	GELC	8/14/2009	R-33	995.5
09-2890	CAMO-09-9578	GENINORG	GELC	8/14/2009	R-33	995.5
09-2890	CAMO-09-9578	METALS	GELC	8/14/2009	R-33	995.5
09-2890	CAMO-09-9579	GENINORG	GELC	8/14/2009	R-33	1112.4
09-2890	CAMO-09-9579	METALS	GELC	8/14/2009	R-33	1112.4
09-2890	CAMO-09-9580	GENINORG	GELC	8/14/2009	R-33	1112.4
09-2890	CAMO-09-9580	METALS	GELC	8/14/2009	R-33	1112.4
09-2891	CAMO-09-9578	RAD	GELC	8/14/2009	R-33	995.5
09-2891	CAMO-09-9580	RAD	GELC	8/14/2009	R-33	1112.4
09-2893	CAMO-09-9568	DIOX/FUR	ALTC	8/14/2009	R-42	931.8
09-2894	CAMO-09-9568	GENINORG	GELC	8/14/2009	R-42	931.8
09-2894	CAMO-09-9568	HEXP	GELC	8/14/2009	R-42	931.8
09-2894	CAMO-09-9568	PEST/PCB	GELC	8/14/2009	R-42	931.8
09-2894	CAMO-09-9568	SVOA	GELC	8/14/2009	R-42	931.8
09-2894	CAMO-09-9568	VOA	GELC	8/14/2009	R-42	931.8
09-2894	CAMO-09-9569	VOA	GELC	8/14/2009	R-42	931.8
09-2895	CAMO-09-10297	METALS	GELC	8/14/2009	R-42	931.8
09-2895	CAMO-09-9568	GENINORG	GELC	8/14/2009	R-42	931.8
09-2895	CAMO-09-9568	METALS	GELC	8/14/2009	R-42	931.8
09-2895	CAMO-09-9568	RAD	GELC	8/14/2009	R-42	931.8
09-2895	CAMO-09-9570	GENINORG	GELC	8/14/2009	R-42	931.8
09-2895	CAMO-09-9570	METALS	GELC	8/14/2009	R-42	931.8
09-2906	CAMO-09-9440	DIOX/FUR	ALTC	8/17/2009	M-1W	n/a
09-2906	CAMO-09-9442	DIOX/FUR	ALTC	8/17/2009	M-1E	n/a
09-2907	CAMO-09-9439	VOA	GELC	8/17/2009	M-1W	n/a
09-2907	CAMO-09-9440	GENINORG	GELC	8/17/2009	M-1W	n/a
09-2907	CAMO-09-9440	SVOA	GELC	8/17/2009	M-1W	n/a
09-2907	CAMO-09-9440	VOA	GELC	8/17/2009	M-1W	n/a
09-2907	CAMO-09-9441	VOA	GELC	8/17/2009	M-1E	n/a
09-2907	CAMO-09-9442	GENINORG	GELC	8/17/2009	M-1E	n/a
09-2907	CAMO-09-9442	SVOA	GELC	8/17/2009	M-1E	n/a
09-2907	CAMO-09-9442	VOA	GELC	8/17/2009	M-1E	n/a
09-2908	CAMO-09-9438	GENINORG	GELC	8/17/2009	M-1W	n/a
09-2908	CAMO-09-9438	METALS	GELC	8/17/2009	M-1W	n/a
09-2908	CAMO-09-9440	GENINORG	GELC	8/17/2009	M-1W	n/a

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2908	CAMO-09-9440	METALS	GELC	8/17/2009	M-1W	n/a
09-2908	CAMO-09-9440	RAD	GELC	8/17/2009	M-1W	n/a
09-2908	CAMO-09-9442	GENINORG	GELC	8/17/2009	M-1E	n/a
09-2908	CAMO-09-9442	METALS	GELC	8/17/2009	M-1E	n/a
09-2908	CAMO-09-9442	RAD	GELC	8/17/2009	M-1E	n/a
09-2908	CAMO-09-9443	GENINORG	GELC	8/17/2009	M-1E	n/a
09-2908	CAMO-09-9443	METALS	GELC	8/17/2009	M-1E	n/a
09-2909	CAMO-09-9501	GENINORG	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9501	METALS	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9502	GENINORG	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9502	METALS	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9502	RAD	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9502	SVOA	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9502	VOA	GELC	8/17/2009	MCO-5	21
09-2909	CAMO-09-9503	VOA	GELC	8/17/2009	MCO-5	21
09-2914	CAMO-09-9922	DIOX/FUR	ALTC	8/17/2009	R-44	895
09-2914	CAMO-09-9927	DIOX/FUR	ALTC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9920	SVOA	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9920	VOA	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9921	VOA	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9922	GENINORG	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9922	HERB	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9922	HEXP	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9922	PEST/PCB	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9922	SVOA	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9922	VOA	GELC	8/17/2009	R-44	895
09-2915	CAMO-09-9924	SVOA	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9924	VOA	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9926	VOA	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9927	GENINORG	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9927	HERB	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9927	HEXP	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9927	PEST/PCB	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9927	SVOA	GELC	8/17/2009	R-44	985.3
09-2915	CAMO-09-9927	VOA	GELC	8/17/2009	R-44	985.3
09-2916	CAMO-09-10295	METALS	GELC	8/17/2009	R-44	895
09-2916	CAMO-09-10296	METALS	GELC	8/17/2009	R-44	985.3
09-2916	CAMO-09-9919	GENINORG	GELC	8/17/2009	R-44	895
09-2916	CAMO-09-9919	METALS	GELC	8/17/2009	R-44	895
09-2916	CAMO-09-9922	GENINORG	GELC	8/17/2009	R-44	895

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2916	CAMO-09-9922	METALS	GELC	8/17/2009	R-44	895
09-2916	CAMO-09-9922	RAD	GELC	8/17/2009	R-44	895
09-2916	CAMO-09-9925	GENINORG	GELC	8/17/2009	R-44	985.3
09-2916	CAMO-09-9925	METALS	GELC	8/17/2009	R-44	985.3
09-2916	CAMO-09-9927	GENINORG	GELC	8/17/2009	R-44	985.3
09-2916	CAMO-09-9927	METALS	GELC	8/17/2009	R-44	985.3
09-2916	CAMO-09-9927	RAD	GELC	8/17/2009	R-44	985.3
09-2922	CAMO-09-9435	DIOX/FUR	ALTC	8/18/2009	E-1FW	n/a
09-2922	CAMO-09-9456	DIOX/FUR	ALTC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2923	CAMO-09-9435	GENINORG	GELC	8/18/2009	E-1FW	n/a
09-2923	CAMO-09-9435	SVOA	GELC	8/18/2009	E-1FW	n/a
09-2923	CAMO-09-9435	VOA	GELC	8/18/2009	E-1FW	n/a
09-2923	CAMO-09-9437	VOA	GELC	8/18/2009	E-1FW	n/a
09-2923	CAMO-09-9456	GENINORG	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2923	CAMO-09-9456	SVOA	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2923	CAMO-09-9456	VOA	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2923	CAMO-09-9458	VOA	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2923	CAMO-09-9498	GENINORG	GELC	8/18/2009	MCO-4B	8.9
09-2923	CAMO-09-9498	SVOA	GELC	8/18/2009	MCO-4B	8.9
09-2923	CAMO-09-9498	VOA	GELC	8/18/2009	MCO-4B	8.9
09-2923	CAMO-09-9499	VOA	GELC	8/18/2009	MCO-4B	8.9
09-2924	CAMO-09-9435	GENINORG	GELC	8/18/2009	E-1FW	n/a
09-2924	CAMO-09-9435	METALS	GELC	8/18/2009	E-1FW	n/a
09-2924	CAMO-09-9436	GENINORG	GELC	8/18/2009	E-1FW	n/a
09-2924	CAMO-09-9436	METALS	GELC	8/18/2009	E-1FW	n/a
09-2924	CAMO-09-9456	GENINORG	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2924	CAMO-09-9456	METALS	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2924	CAMO-09-9457	GENINORG	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2924	CAMO-09-9457	METALS	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2924	CAMO-09-9498	GENINORG	GELC	8/18/2009	MCO-4B	8.9
09-2924	CAMO-09-9498	METALS	GELC	8/18/2009	MCO-4B	8.9
09-2924	CAMO-09-9500	GENINORG	GELC	8/18/2009	MCO-4B	8.9
09-2924	CAMO-09-9500	METALS	GELC	8/18/2009	MCO-4B	8.9
09-2925	CAMO-09-9435	RAD	GELC	8/18/2009	E-1FW	n/a
09-2925	CAMO-09-9456	RAD	GELC	8/18/2009	Mortandad below Effluent Canyon	n/a
09-2925	CAMO-09-9498	RAD	GELC	8/18/2009	MCO-4B	8.9
09-2957	CAMO-09-9454	DIOX/FUR	ALTC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9453	VOA	GELC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9454	GENINORG	GELC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9454	METALS	GELC	8/18/2009	TS-2E	n/a

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2958	CAMO-09-9454	RAD	GELC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9454	SVOA	GELC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9454	VOA	GELC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9455	GENINORG	GELC	8/18/2009	TS-2E	n/a
09-2958	CAMO-09-9455	METALS	GELC	8/18/2009	TS-2E	n/a
09-2963	CAMO-09-10254	DIOX/FUR	ALTC	8/19/2009	R-45	880
09-2963	CAMO-09-10256	DIOX/FUR	ALTC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10251	SVOA	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10251	VOA	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10253	VOA	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10254	GENINORG	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10254	HERB	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10254	HEXP	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10254	PEST/PCB	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10254	SVOA	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10254	VOA	GELC	8/19/2009	R-45	880
09-2964	CAMO-09-10256	GENINORG	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10256	HERB	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10256	HEXP	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10256	PEST/PCB	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10256	SVOA	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10256	VOA	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10257	VOA	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10258	SVOA	GELC	8/19/2009	R-45	974.9
09-2964	CAMO-09-10258	VOA	GELC	8/19/2009	R-45	974.9
09-2965	CAMO-09-10252	GENINORG	GELC	8/19/2009	R-45	880
09-2965	CAMO-09-10252	METALS	GELC	8/19/2009	R-45	880
09-2965	CAMO-09-10254	GENINORG	GELC	8/19/2009	R-45	880
09-2965	CAMO-09-10254	METALS	GELC	8/19/2009	R-45	880
09-2965	CAMO-09-10254	RAD	GELC	8/19/2009	R-45	880
09-2965	CAMO-09-10255	GENINORG	GELC	8/19/2009	R-45	974.9
09-2965	CAMO-09-10255	METALS	GELC	8/19/2009	R-45	974.9
09-2965	CAMO-09-10256	GENINORG	GELC	8/19/2009	R-45	974.9
09-2965	CAMO-09-10256	METALS	GELC	8/19/2009	R-45	974.9
09-2965	CAMO-09-10256	RAD	GELC	8/19/2009	R-45	974.9
09-2965	CAMO-09-10293	METALS	GELC	8/19/2009	R-45	880
09-2965	CAMO-09-10294	METALS	GELC	8/19/2009	R-45	974.9
09-2967	CAMO-09-9539	DIOX/FUR	ALTC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-10263	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-10263	SVOA	GELC	8/19/2009	MCOI-6	686

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2968	CAMO-09-10263	VOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9533	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9533	SVOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9533	VOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9534	VOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9537	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9537	SVOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9537	VOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9538	SVOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9538	VOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9539	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9539	HEXP	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9539	PEST/PCB	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9539	SVOA	GELC	8/19/2009	MCOI-6	686
09-2968	CAMO-09-9539	VOA	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-10263	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-10263	METALS	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-10299	METALS	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9533	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9533	METALS	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9535	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9535	METALS	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9536	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9536	METALS	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9537	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9537	METALS	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9539	GENINORG	GELC	8/19/2009	MCOI-6	686
09-2969	CAMO-09-9539	METALS	GELC	8/19/2009	MCOI-6	686
09-2970	CAMO-09-9533	RAD	GELC	8/19/2009	MCOI-6	686
09-2970	CAMO-09-9537	RAD	GELC	8/19/2009	MCOI-6	686
09-2970	CAMO-09-9539	RAD	GELC	8/19/2009	MCOI-6	686

DIOX/FUR = Dioxins and furans.
 GENINORG = General inorganics.
 HERB = Herbicides.
 HEXP = High explosives.
 n/a = not applicable.
 PEST/PCB = Pesticides/polychlorinated biphenyls.
 RAD = Radionuclides.
 SVOA = Semivolatile organic analysis.
 VOA = Volatile organic analysis.

F-2 SANDIA WATERSHED

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2408	CAMO-09-10508	GENINORG	GELC	18-Jun-09	R-43	969.1
09-2408	CAMO-09-10508	METALS	GELC	18-Jun-09	R-43	969.1
09-2408	CAMO-09-10508	RAD	GELC	18-Jun-09	R-43	969.1
09-2408	CAMO-09-10509	GENINORG	GELC	18-Jun-09	R-43	969.1
09-2408	CAMO-09-10509	METALS	GELC	18-Jun-09	R-43	969.1
09-2408	CAMO-09-10509	RAD	GELC	18-Jun-09	R-43	969.1
09-2408	CAMO-09-10512	METALS	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10508	HEXP	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10508	PEST/PCB	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10508	SVOA	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10508	VOA	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10510	VOA	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10511	VOA	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10513	SVOA	GELC	18-Jun-09	R-43	969.1
09-2409	CAMO-09-10513	VOA	GELC	18-Jun-09	R-43	969.1
09-2410	CAMO-09-10514	VOA	PARA	18-Jun-09	R-43	969.1
09-2418	CAMO-09-10508	DIOX/FUR	ALTC	18-Jun-09	R-43	969.1
09-2430	CAMO-09-10506	VOA	PARA	19-Jun-09	R-43	903.9
09-2431	CAMO-09-10501	DIOX/FUR	ALTC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10501	GENINORG	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10501	HEXP	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10501	PEST/PCB	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10501	SVOA	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10501	VOA	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10503	VOA	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10505	SVOA	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10505	VOA	GELC	19-Jun-09	R-43	903.9
09-2432	CAMO-09-10507	VOA	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10501	GENINORG	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10501	METALS	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10501	RAD	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10502	GENINORG	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10502	METALS	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10502	RAD	GELC	19-Jun-09	R-43	903.9
09-2433	CAMO-09-10504	METALS	GELC	19-Jun-09	R-43	903.9
09-2460	CAMO-09-10501	RAD	UMTL	19-Jun-09	R-43	903.9
09-2460	CAMO-09-10508	RAD	UMTL	18-Jun-09	R-43	969.1
09-2756	CASA-09-10347	VOA	GELC	03-Aug-09	SCI-1	358.4

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2756	CASA-09-10349	SVOA	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10349	VOA	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10350	GENINORG	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10350	HERB	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10350	HEXP	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10350	PEST/PCB	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10350	SVOA	GELC	03-Aug-09	SCI-1	358.4
09-2756	CASA-09-10350	VOA	GELC	03-Aug-09	SCI-1	358.4
09-2757	CASA-09-10348	GENINORG	GELC	03-Aug-09	SCI-1	358.4
09-2757	CASA-09-10348	METALS	GELC	03-Aug-09	SCI-1	358.4
09-2757	CASA-09-10350	GENINORG	GELC	03-Aug-09	SCI-1	358.4
09-2757	CASA-09-10350	METALS	GELC	03-Aug-09	SCI-1	358.4
09-2757	CASA-09-10350	RAD	GELC	03-Aug-09	SCI-1	358.4
09-2760	CASA-09-10334	SVOA	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10334	VOA	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10335	GENINORG	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10335	HERB	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10335	HEXP	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10335	PEST/PCB	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10335	SVOA	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10335	VOA	GELC	03-Aug-09	SCA-1-DP	2.16
09-2760	CASA-09-10336	VOA	GELC	03-Aug-09	SCA-1-DP	2.16
09-2761	CASA-09-10333	GENINORG	GELC	03-Aug-09	SCA-1-DP	2.16
09-2761	CASA-09-10333	METALS	GELC	03-Aug-09	SCA-1-DP	2.16
09-2761	CASA-09-10335	GENINORG	GELC	03-Aug-09	SCA-1-DP	2.16
09-2761	CASA-09-10335	METALS	GELC	03-Aug-09	SCA-1-DP	2.16
09-2761	CASA-09-10335	RAD	GELC	03-Aug-09	SCA-1-DP	2.16
09-2766	CASA-09-10387	DIOX/FUR	ALTC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10387	GENINORG	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10387	HERB	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10387	HEXP	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10387	PEST/PCB	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10387	SVOA	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10387	VOA	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10388	VOA	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10389	SVOA	GELC	03-Aug-09	R-35a	1013.1
09-2767	CASA-09-10389	VOA	GELC	03-Aug-09	R-35a	1013.1
09-2768	CASA-09-10387	GENINORG	GELC	03-Aug-09	R-35a	1013.1
09-2768	CASA-09-10387	METALS	GELC	03-Aug-09	R-35a	1013.1
09-2768	CASA-09-10387	RAD	GELC	03-Aug-09	R-35a	1013.1

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2768	CASA-09-10390	GENINORG	GELC	03-Aug-09	R-35a	1013.1
09-2768	CASA-09-10390	METALS	GELC	03-Aug-09	R-35a	1013.1
09-2768	CASA-09-10405	METALS	GELC	03-Aug-09	R-35a	1013.1
09-2772	CASA-09-10367	DIOX/FUR	ALTC	04-Aug-09	SCI-2	548
09-2772	CASA-09-10370	DIOX/FUR	ALTC	04-Aug-09	SCI-2	548
09-2772	CASA-09-10371	DIOX/FUR	ALTC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10367	GENINORG	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10367	HEXP	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10367	PEST/PCB	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10367	SVOA	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10367	VOA	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10369	VOA	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10370	PEST/PCB	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10370	SVOA	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10370	VOA	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10371	GENINORG	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10371	HEXP	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10371	PEST/PCB	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10371	SVOA	GELC	04-Aug-09	SCI-2	548
09-2773	CASA-09-10371	VOA	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10367	GENINORG	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10367	METALS	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10367	RAD	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10368	GENINORG	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10368	METALS	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10371	GENINORG	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10371	METALS	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10371	RAD	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10372	GENINORG	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10372	METALS	GELC	04-Aug-09	SCI-2	548
09-2774	CASA-09-10406	METALS	GELC	04-Aug-09	SCI-2	548
09-2775	CASA-09-10335	RAD	UMTL	03-Aug-09	SCA-1-DP	2.16
09-2775	CASA-09-10338	RAD	UMTL	04-Aug-09	SCA-2	10.3
09-2775	CASA-09-10350	RAD	UMTL	03-Aug-09	SCI-1	358.4
09-2775	CASA-09-10367	RAD	UMTL	04-Aug-09	SCI-2	548
09-2775	CASA-09-10371	RAD	UMTL	04-Aug-09	SCI-2	548
09-2775	CASA-09-10373	RAD	UMTL	05-Aug-09	R-36	766.9
09-2775	CASA-09-10376	RAD	UMTL	05-Aug-09	R-36	766.9
09-2775	CASA-09-10387	RAD	UMTL	03-Aug-09	R-35a	1013.1
09-2775	CASA-09-10392	RAD	UMTL	04-Aug-09	R-35b	825.4

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2777	CASA-09-10392	DIOX/FUR	ALTC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10391	VOA	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10392	GENINORG	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10392	HERB	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10392	HEXP	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10392	PEST/PCB	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10392	SVOA	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10392	VOA	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10393	SVOA	GELC	04-Aug-09	R-35b	825.4
09-2778	CASA-09-10393	VOA	GELC	04-Aug-09	R-35b	825.4
09-2779	CASA-09-10392	GENINORG	GELC	04-Aug-09	R-35b	825.4
09-2779	CASA-09-10392	METALS	GELC	04-Aug-09	R-35b	825.4
09-2779	CASA-09-10392	RAD	GELC	04-Aug-09	R-35b	825.4
09-2779	CASA-09-10394	GENINORG	GELC	04-Aug-09	R-35b	825.4
09-2779	CASA-09-10394	METALS	GELC	04-Aug-09	R-35b	825.4
09-2782	CASA-09-10338	GENINORG	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10338	HERB	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10338	HEXP	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10338	PEST/PCB	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10338	SVOA	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10338	VOA	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10339	SVOA	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10339	VOA	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10340	VOA	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10341	PEST/PCB	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10341	SVOA	GELC	04-Aug-09	SCA-2	10.3
09-2782	CASA-09-10341	VOA	GELC	04-Aug-09	SCA-2	10.3
09-2783	CASA-09-10330	GENINORG	GELC	04-Aug-09	SCA-1	1.3
09-2783	CASA-09-10330	METALS	GELC	04-Aug-09	SCA-1	1.3
09-2783	CASA-09-10337	GENINORG	GELC	04-Aug-09	SCA-2	10.3
09-2783	CASA-09-10337	METALS	GELC	04-Aug-09	SCA-2	10.3
09-2783	CASA-09-10338	GENINORG	GELC	04-Aug-09	SCA-2	10.3
09-2783	CASA-09-10338	METALS	GELC	04-Aug-09	SCA-2	10.3
09-2783	CASA-09-10338	RAD	GELC	04-Aug-09	SCA-2	10.3
09-2797	CASA-09-10373	DIOX/FUR	ALTC	05-Aug-09	R-36	766.9
09-2797	CASA-09-10374	DIOX/FUR	ALTC	05-Aug-09	R-36	766.9
09-2797	CASA-09-10376	DIOX/FUR	ALTC	05-Aug-09	R-36	766.9
09-2797	CASA-09-10380	DIOX/FUR	ALTC	05-Aug-09	R-12	459
09-2797	CASA-09-10383	DIOX/FUR	ALTC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10325	VOA	GELC	05-Aug-09	SCA-5	55

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2798	CASA-09-10327	SVOA	GELC	05-Aug-09	SCA-5	55
09-2798	CASA-09-10327	VOA	GELC	05-Aug-09	SCA-5	55
09-2798	CASA-09-10328	PEST/PCB	GELC	05-Aug-09	SCA-5	55
09-2798	CASA-09-10328	SVOA	GELC	05-Aug-09	SCA-5	55
09-2798	CASA-09-10328	VOA	GELC	05-Aug-09	SCA-5	55
09-2798	CASA-09-10342	VOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10343	SVOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10343	VOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10344	HERB	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10344	HEXP	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10344	PEST/PCB	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10344	SVOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10344	VOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10346	PEST/PCB	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10346	SVOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10346	VOA	GELC	05-Aug-09	SCA-4	37
09-2798	CASA-09-10373	HEXP	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10373	PEST/PCB	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10373	SVOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10373	VOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10374	PEST/PCB	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10374	SVOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10374	VOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10376	HEXP	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10376	PEST/PCB	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10376	SVOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10376	VOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10378	VOA	GELC	05-Aug-09	R-36	766.9
09-2798	CASA-09-10380	HERB	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10380	HEXP	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10380	PEST/PCB	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10380	SVOA	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10380	VOA	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10381	VOA	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10382	SVOA	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10382	VOA	GELC	05-Aug-09	R-12	459
09-2798	CASA-09-10383	HERB	GELC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10383	HEXP	GELC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10383	PEST/PCB	GELC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10383	SVOA	GELC	05-Aug-09	R-12	504.5

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2798	CASA-09-10383	VOA	GELC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10385	VOA	GELC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10386	SVOA	GELC	05-Aug-09	R-12	504.5
09-2798	CASA-09-10386	VOA	GELC	05-Aug-09	R-12	504.5
09-2799	CASA-09-10326	GENINORG	GELC	05-Aug-09	SCA-5	55
09-2799	CASA-09-10326	METALS	GELC	05-Aug-09	SCA-5	55
09-2799	CASA-09-10344	GENINORG	GELC	05-Aug-09	SCA-4	37
09-2799	CASA-09-10344	METALS	GELC	05-Aug-09	SCA-4	37
09-2799	CASA-09-10345	GENINORG	GELC	05-Aug-09	SCA-4	37
09-2799	CASA-09-10345	METALS	GELC	05-Aug-09	SCA-4	37
09-2799	CASA-09-10373	GENINORG	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10373	METALS	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10375	GENINORG	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10375	METALS	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10376	GENINORG	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10376	METALS	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10377	GENINORG	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10377	METALS	GELC	05-Aug-09	R-36	766.9
09-2799	CASA-09-10379	GENINORG	GELC	05-Aug-09	R-12	459
09-2799	CASA-09-10379	METALS	GELC	05-Aug-09	R-12	459
09-2799	CASA-09-10380	GENINORG	GELC	05-Aug-09	R-12	459
09-2799	CASA-09-10380	METALS	GELC	05-Aug-09	R-12	459
09-2799	CASA-09-10383	GENINORG	GELC	05-Aug-09	R-12	504.5
09-2799	CASA-09-10383	METALS	GELC	05-Aug-09	R-12	504.5
09-2799	CASA-09-10384	GENINORG	GELC	05-Aug-09	R-12	504.5
09-2799	CASA-09-10384	METALS	GELC	05-Aug-09	R-12	504.5
09-2800	CASA-09-10344	RAD	GELC	05-Aug-09	SCA-4	37
09-2800	CASA-09-10373	RAD	GELC	05-Aug-09	R-36	766.9
09-2800	CASA-09-10376	RAD	GELC	05-Aug-09	R-36	766.9
09-2800	CASA-09-10380	RAD	GELC	05-Aug-09	R-12	459
09-2800	CASA-09-10383	RAD	GELC	05-Aug-09	R-12	504.5
09-2812	CASA-09-10304	GENINORG	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2812	CASA-09-10304	PEST/PCB	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2812	CASA-09-10304	SVOA	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2812	CASA-09-10304	VOA	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2812	CASA-09-10306	VOA	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2812	CASA-09-10308	VOA	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2812	CASA-09-10309	GENINORG	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2812	CASA-09-10309	PEST/PCB	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2812	CASA-09-10309	SVOA	GELC	07-Aug-09	Sandia below Wetlands	n/a

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2812	CASA-09-10309	VOA	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2813	CASA-09-10304	GENINORG	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2813	CASA-09-10304	METALS	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2813	CASA-09-10304	RAD	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2813	CASA-09-10305	GENINORG	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2813	CASA-09-10305	METALS	GELC	07-Aug-09	Sandia right fork at Power Plant	n/a
09-2813	CASA-09-10307	GENINORG	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2813	CASA-09-10307	METALS	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2813	CASA-09-10309	GENINORG	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2813	CASA-09-10309	METALS	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2813	CASA-09-10309	RAD	GELC	07-Aug-09	Sandia below Wetlands	n/a
09-2825	CASA-09-10363	SVOA	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10363	VOA	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10365	VOA	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10366	GENINORG	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10366	HERB	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10366	HEXP	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10366	PEST/PCB	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10366	SVOA	GELC	10-Aug-09	R-11	855
09-2825	CASA-09-10366	VOA	GELC	10-Aug-09	R-11	855
09-2826	CASA-09-10364	GENINORG	GELC	10-Aug-09	R-11	855
09-2826	CASA-09-10364	METALS	GELC	10-Aug-09	R-11	855
09-2826	CASA-09-10366	GENINORG	GELC	10-Aug-09	R-11	855
09-2826	CASA-09-10366	METALS	GELC	10-Aug-09	R-11	855
09-2826	CASA-09-10366	RAD	GELC	10-Aug-09	R-11	855
09-2844	CASA-09-10344	RAD	UMTL	05-Aug-09	SCA-4	37
09-2844	CASA-09-10366	RAD	UMTL	10-Aug-09	R-11	855
09-2844	CASA-09-10380	RAD	UMTL	05-Aug-09	R-12	459
09-2844	CASA-09-10383	RAD	UMTL	05-Aug-09	R-12	504.5
09-2854	CASA-09-10359	HERB	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10359	HEXP	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10359	PEST/PCB	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10359	SVOA	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10359	VOA	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10360	SVOA	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10360	VOA	GELC	12-Aug-09	R-10a	690
09-2854	CASA-09-10361	VOA	GELC	12-Aug-09	R-10a	690
09-2855	CASA-09-10359	GENINORG	GELC	12-Aug-09	R-10a	690
09-2855	CASA-09-10359	METALS	GELC	12-Aug-09	R-10a	690
09-2855	CASA-09-10359	RAD	GELC	12-Aug-09	R-10a	690

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2855	CASA-09-10362	GENINORG	GELC	12-Aug-09	R-10a	690
09-2855	CASA-09-10362	METALS	GELC	12-Aug-09	R-10a	690
09-2871	CASA-09-10313	GENINORG	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10313	PEST/PCB	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10313	SVOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10313	VOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10314	VOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10316	PEST/PCB	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10316	SVOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10316	VOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10318	GENINORG	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10318	PEST/PCB	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10318	SVOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2871	CASA-09-10318	VOA	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10313	GENINORG	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10313	METALS	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10315	GENINORG	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10315	METALS	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10317	GENINORG	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10317	METALS	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10318	GENINORG	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2872	CASA-09-10318	METALS	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2873	CASA-09-10313	RAD	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2873	CASA-09-10318	RAD	GELC	13-Aug-09	South Fork of Sandia Canyon at E122	n/a
09-2937	CASA-09-10397	DIOX/FUR	ALTC	18-Aug-09	R-43	903.9
09-2937	CASA-09-10402	DIOX/FUR	ALTC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10395	VOA	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10397	GENINORG	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10397	HERB	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10397	HEXP	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10397	PEST/PCB	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10397	SVOA	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10397	VOA	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10398	SVOA	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10398	VOA	GELC	18-Aug-09	R-43	903.9
09-2938	CASA-09-10399	SVOA	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10399	VOA	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10400	VOA	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10402	GENINORG	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10402	HERB	GELC	18-Aug-09	R-43	969.1

Request	Sample	Suite	Lab	Date	Location	Depth (ft)
09-2938	CASA-09-10402	HEXP	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10402	PEST/PCB	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10402	SVOA	GELC	18-Aug-09	R-43	969.1
09-2938	CASA-09-10402	VOA	GELC	18-Aug-09	R-43	969.1
09-2939	CASA-09-10396	GENINORG	GELC	18-Aug-09	R-43	903.9
09-2939	CASA-09-10396	METALS	GELC	18-Aug-09	R-43	903.9
09-2939	CASA-09-10397	GENINORG	GELC	18-Aug-09	R-43	903.9
09-2939	CASA-09-10397	METALS	GELC	18-Aug-09	R-43	903.9
09-2939	CASA-09-10401	GENINORG	GELC	18-Aug-09	R-43	969.1
09-2939	CASA-09-10401	METALS	GELC	18-Aug-09	R-43	969.1
09-2939	CASA-09-10402	GENINORG	GELC	18-Aug-09	R-43	969.1
09-2939	CASA-09-10402	METALS	GELC	18-Aug-09	R-43	969.1
09-2939	CASA-09-10403	METALS	GELC	18-Aug-09	R-43	903.9
09-2939	CASA-09-10404	METALS	GELC	18-Aug-09	R-43	969.1
09-2940	CASA-09-10397	RAD	GELC	18-Aug-09	R-43	903.9
09-2940	CASA-09-10402	RAD	GELC	18-Aug-09	R-43	969.1
09-2955	CASA-09-10310	GENINORG	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2955	CASA-09-10310	PEST/PCB	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2955	CASA-09-10310	SVOA	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2955	CASA-09-10310	VOA	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2955	CASA-09-10312	VOA	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2956	CASA-09-10310	GENINORG	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2956	CASA-09-10310	METALS	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2956	CASA-09-10310	RAD	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2956	CASA-09-10311	GENINORG	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a
09-2956	CASA-09-10311	METALS	GELC	19-Aug-09	Middle Sandia Canyon at terminus of persistent baseflow	n/a

DIOX/FUR = Dioxins and furans.
 GENINORG = General inorganics.
 HERB = Herbicides.
 HEXP = High explosives.
 n/a = not applicable.
 PEST/PCB = Pesticides/polychlorinated biphenyls.
 RAD = Radionuclides.
 SVOA = Semivolatile organic analysis.
 VOA = Volatile organic analysis.

