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



Prepared by the Environmental Programs Directorate

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

November 2010

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EXECUTIVE SUMMARY

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

The PMEs documented in this report occurred May 3–May 19, 2010, and included the monitoring of base-flow stations and groundwater wells and well ports. This report also includes results from previous PMEs that were unreported in their respective PMRs because of agreements with San Ildefonso Pueblo regarding data release or because validated laboratory data were not available.

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

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

No results from surface-water samples and 12 results from groundwater samples collected from Mortandad Canyon during this PME exceeded screening levels.

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

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Acronyms and Abbreviations

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

1.0 INTRODUCTION

This periodic monitoring report (PMR) documents quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Mortandad and Sandia Watersheds pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2009, 106115), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring events (PMEs) occurred May 3–May 19, 2010, and included sampling at base-flow stations and groundwater wells and well ports. This report also includes results from previous PMEs that were unreported in their respective PMRs because of agreements with San Ildefonso Pueblo regarding data release or because validated laboratory data were not available.

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 watersheds,
- field-measurement monitoring results,
- water-quality monitoring results,
- screening analysis results (comparing these PME results with regulatory standards and results from previous reports), and
- 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-southeast-trending drainage that heads on the Pajarito Plateau near the main Laboratory complex at Technical Area 03 (TA-03) at an elevation of 7380 ft (2249 m). The drainage extends approximately 9.6 mi (15.5 km) from its headwaters to its confluence with the Rio Grande at an elevation of 5440 ft (1658 m). The watershed crosses San Ildefonso Pueblo land for several miles before joining the Rio Grande.

Mortandad Watershed is located in the central portion of the Laboratory and covers approximately 10 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 technical areas located in the Mortandad Watershed include TA-03, TA-04, TA-05, TA-18, TA-35, TA-42, TA-46, TA-48, TA-50, TA-51, TA-52, TA-54, TA-55, and TA-59. The primary sources of contamination in this watershed are attributed to past releases of contaminants from outfalls and spills at TA-35 and TA-50, including the Radioactive Liquid Waste Treatment facility (RLWTF) at TA-50. Metals and volatile organic compounds have historically been released into the canyon. Nitrate,

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

1.2 Background: Sandia Watershed

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

The area of the Sandia Watershed is approximately 5.5 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 the wastewater and cooling tower discharges. Polychlorinated biphenyls have been detected in sediment samples collected from the wetland area, and mercury has been detected in surface-water samples.

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

2.0 SCOPE OF ACTIVITIES

The PME's for the Mortandad and Sandia Watersheds were conducted pursuant to the 2009 IFGMP (LANL 2009, 106115).

Tables 2.0-1 and 2.0-2 provide the location name, sample collection date, port name, port depth, screened interval, top and bottom screen depths, casing volume, purge volume, and base-flow measurements for each monitored location. 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 (LANL 2009, 106115).

3.2 Field-Parameter Results

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

3.3 Groundwater Elevations and Base-Flow Observations

The periodic monitoring water-level data for the previous 3 yr for each watershed are presented in Appendix B (on CD). For wells equipped with transducers, the reported water level is the water-level

measurement taken earliest on the day of sampling. All manual measurements were recorded immediately before sampling. The groundwater elevation measurements taken during these PME and for previous sampling events are shown graphically on Plate 1. Base-flow measurements are shown on Plate 2.

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PME are documented in the 2009 IFGMP (LANL 2009, 106115). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737) and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent decision tree for land application of drilling, development, rehabilitation, and sampling purge water.

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

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

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

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

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

4.2 Analytical Data

Appendix C presents the analytical data for each watershed from the PMEs and from the four sampling events immediately before the May 2010 sampling events. The analytical laboratory reports (including chain-of-custody forms and data validation) are provided in Appendix F.

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

- All data
 - ❖ Data that are R-qualified (rejected because of noncompliance regarding QC acceptance criteria) during independent validation are considered unusable but are still reported.
 - ❖ Analytical laboratory QC results, including matrix spike and matrix spike duplicates, are not included in the data set.
 - ❖ Field duplicates, reanalyses, field blanks, trip blanks, equipment blanks, and results from different analytical methods are reported.
- Radionuclides
 - ❖ Only cesium-137, cobalt-60, neptunium-237, potassium-40, and sodium-22 are reported (or analyzed) for the gamma spectroscopy suite.
 - ❖ Americium-241 and uranium-235 are reported only by chemical separation alpha spectroscopy. No gamma spectroscopy results are presented for these analytes.
 - ❖ Low-detection-limit tritium results greater than 3 times the 1 standard deviation total propagated analytical uncertainty are considered to be detections.
 - ❖ Otherwise, all results are reported at all locations.
- Nonradionuclides
 - ❖ All results, excluding nondetections, are reported.

The results of data screening for this PMR appear in Tables D-1 through D-24 in Appendix D. These tables show all detected analytical results for perchlorate, radionuclides, and organic compounds, and all analytical results greater than half the lowest applicable screening-level values for metals and general inorganic compounds. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

Data for PMRs are evaluated using the following screening process.

- Surface-water sampling results were compared with all surface-water standards without consideration of the designated use for the particular reach.
- Surface-water and groundwater perchlorate data were compared with the screening level of 4 µg/L established in section VIII.A.1.a of the Consent Order.
- Other groundwater data are screened to the lesser of the EPA MCL or the NMWQCC groundwater standard for an analyte.
- The NMWQCC groundwater standards apply to the dissolved (filtered) portion of specified contaminants; however, the standards for mercury, organic compounds, and nonaqueous-phase liquids apply to the total unfiltered concentrations of the contaminants. EPA MCLs are applied to both filtered and unfiltered sample results.

- As required by the Consent Order, EPA Regional Screening Levels for Tap Water (formerly Region 6 Screening Levels for Tap Water) are used for constituents that have no other regulatory standard and for which toxicological information is published. These screening levels are for either a cancer- or noncancer-risk type. For the cancer-risk type, the EPA screening levels are for 10^{-6} excess cancer risk. The Consent Order specifies screening with these values at a 10^{-5} (rather than 10^{-6}) excess cancer risk. Therefore, the screening levels in the tables are 10 times the EPA 10^{-6} screening values.
- The analytical results for radioactivity are compared with the DOE Biota Concentration Guides (BCGs) for surface water and Derived Concentration Guides (DCGs) for groundwater.

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

Graphs in Appendix E display concentration histories of analytes for locations where the analyte was above its screening level at least once during the three most recent PMEs. The concentration of the analyte is plotted for a 3-yr period. If 3 yr of data are not available, then all available results for the analyte are plotted. When shown, the solid red lines depict applicable screening levels.

Figures 4.2-1 and 4.2-2 show concentrations at all locations from the current PME for analytes that exceed their screening level 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, R-42, and R-50, so all available chromium values from the current PME are shown in addition to the screening-level exceedances, which are displayed in yellow boxes.

4.2.1 Surface Water (Base Flow): Mortandad Watershed

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

Results from surface-water samples collected during the current PME were below screening levels.

4.2.2 Surface Water (Base Flow): Sandia Watershed

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

For the current monitoring event, three results for metals at location South Fork of Sandia Canyon at E122 were above screening levels (Table 4.2-3). The filtered arsenic concentration of 9.39 $\mu\text{g/L}$ was above the 9 $\mu\text{g/L}$ NMWQCC Human Health standard screening level. Since 2006, arsenic results ranged from nondetect (<4.3 $\mu\text{g/L}$) to 10.4 $\mu\text{g/L}$.

This location is in a perennial reach, so the NMWQCC Aquatic Life Chronic standards apply. The filtered copper concentration of 9.09 $\mu\text{g/L}$ at this location was above the 9 $\mu\text{g/L}$ NMWQCC Aquatic Life Chronic standard (at 100 mg/L hardness) screening level. Since 2006, copper results ranged from nondetect (<3 $\mu\text{g/L}$) to 33 $\mu\text{g/L}$. The total (that is, unfiltered) selenium concentration of 15.3 $\mu\text{g/L}$ was above the 5 $\mu\text{g/L}$ NMWQCC Aquatic Life Chronic standard screening level. Since 2006, previous selenium results ranged from 1.1 $\mu\text{g/L}$ to 18.6 $\mu\text{g/L}$.

4.2.3 Groundwater: Mortandad Watershed

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

For the current watershed monitoring event, the perchlorate concentrations at three alluvial wells ranged from 4.6 µg/L to 7.5 µg/L and were above the Consent Order screening level of 4 µg/L (Table 4.2-2). Alluvial groundwater concentrations of perchlorate have dropped, especially near the outfall, following the removal of perchlorate from RLWTF effluent in March 2002.

The nitrate (plus nitrite as nitrogen) concentration of 10.9 mg/L in intermediate groundwater well MCOI-6 was above the 10 mg/L NMWQCC groundwater standard screening level. A field duplicate concentration was 10.7 mg/L. The concentrations at MCOI-6 have decreased from 20.4 mg/L to 10.9 mg/L since 2005. The values measured in the latest PME are the lowest.

Perchlorate concentrations at three intermediate groundwater wells ranged from 51.7 µg/L to 91.9 µg/L, above the Consent Order screening level of 4 µg/L. Results measured since 2005 in MCOI-4 have decreased since 2007, from earlier values of 134 µg/L to 166 µg/L to the latest values near 52 µg/L. Although MCOI-5 concentrations have shown some variability since first sampled in 2005, since 2006 they are trending lower, from 130 µg/L to values of approximately 70 µg/L to 90 µg/L since 2008. At MCOI-6, the results have generally fluctuated since 2005 between approximately 160 µg/L and 246 µg/L; the results in 2009 and 2010 range from 78 µg/L to 104 µg/L, and the values from the current PME (78.6 µg/L and 79.2 µg/L) are the lowest measured at MCOI-6.

The benzo(a)pyrene concentration of 0.245 µg/L in an unfiltered sample at MCOI-6 was above the EPA MCL screening level of 0.2 µg/L. The result is an estimated concentration because it is close to the MDL. This compound was not detected in a field duplicate sample or in 25 other analyses on samples collected from this well since 2005.

The perchlorate concentration in regional well R-15 was 7.02 µg/L, above the Consent Order screening level of 4 µg/L. Other values from R-15, measured by the liquid chromatography/mass spectrometry method since 2003, range from 4.6 µg/L to 7.4 µg/L, although many values are estimated.

In regional well R-28, the filtered chromium concentration was 342 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Measurements since 2005 have ranged from 310 µg/L to 468 µg/L and show no particular trend with time. In regional well R-42, the filtered chromium concentration was 850 µg/L. The well was first sampled in October 2008, and values have been between 744 µg/L and 1240 µg/L.

The highest of three filtered chromium concentration measurements in a May 2010 sample from the 1077-ft screen at regional aquifer well R-50 was 53.8 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. All three results for filtered chromium from the May 2010 PME were estimated because of low matrix spike recovery. The result for the first sample from this well, taken in March 2010, was 69.7 µg/L.

4.2.4 Groundwater: Sandia Watershed

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

For the current monitoring event, the filtered manganese result of 410 µg/L at alluvial well SCA-1-DP, a drive point well installed near SCA-1, was above the NMWQCC groundwater standard screening level of 200 µg/L. For eight manganese measurements taken at SCA-1 since 2006, most have been above the screening level, up to 1380 µg/L. This is the sixth sample from SCA-1-DP and the lowest concentration; other results range from 559 µg/L to 870 µg/L. Turbidity for the recent sample was 2.85 nephelometric turbidity units (NTU); the prior values range from 9.2 NTU to 275 NTU.

The filtered chromium result of 526 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results for eight sample events since October 2008 range from 471 µg/L to 658 µg/L.

4.3 Sampling Program Modifications

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

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

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

5.2 Analytical Results

5.2.1 Surface Water (Base Flow): Mortandad Watershed

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

Results from surface-water samples collected during the current PME were below screening levels.

5.2.2 Surface Water (Base Flow): Sandia Watershed

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

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

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

5.2.3 Groundwater: Mortandad Watershed

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

Except for the first detection of benzo(a)pyrene at MCOI-6 and the first detections of filtered chromium at new well R-50, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

Overall, 12 results from groundwater samples collected during this PME from Mortandad Canyon exceeded screening levels (Table 4.2-2).

5.2.4 Groundwater: Sandia Watershed

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

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

Two 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 deviations encountered during the PMEs. The tables also provide a detailed account of sampling event deviations.

6.0 CORRECTIONS TO PREVIOUS PERIODIC MONITORING REPORTS FOR MORTANDAD AND SANDIA WATERSHEDS

NMED provided comments on previous Periodic Monitoring Reports for Mortandad and Sandia Watersheds and indicated that explanations must be submitted with the next Periodic Monitoring Report submittal. The explanations for the NMED comments are provided below.

6.1 Periodic Monitoring Report for Mortandad and Sandia Watersheds, November 2–November 20, 2009

NMED indicated that R-16 screen 3 was scheduled for sampling, but that data were omitted from Table C-3 of the Periodic Monitoring Report for Mortandad and Sandia Watersheds, November 2–20, 2009 (LANL 2010, 109531).

During 2009, R-16 was converted from a three-screen to a dual-screen well with a Baski sampling system, which allows active purging before sampling. The top screen (screen 2) and the bottom screen (screen 4) were retained and the middle screen (screen 3) was isolated with packers and therefore is no longer available to be monitored. A report was submitted to NMED on September 15, 2009, describing R-16's current configuration (LANL 2009, 106945).

Table C-3 in the November 2–November 20, 2009, Periodic Monitoring Report for Mortandad and Sandia Watersheds is accurate and complete as presented in the report.

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

NMED indicated that in Table 2.0-1 of the Periodic Monitoring Report for Mortandad and Sandia Watersheds, January 25–February 12, 2010, the Laboratory erroneously reported the water level for MCOI-5 as 6316.34 ft (LANL 2010, 110495).

The water level for MCOI-5 was reported incorrectly in Table 2.01 as a result of a transcription error. Table B-1 of Appendix B provided the accurate groundwater level for this monitoring location.

NMED indicated that two manual water level measurements reported in Table 2.0-1 did not agree with the transducer water levels reported in Table B-1.

Water levels collected manually from the transducer by the sampling team were reported in Table 2.0-1. These measurements are used to monitor the drawdown during sampling. The water levels reported in Appendix B, Table B-1 present the potentiometric surface at this location and undergo a quality assurance process that includes corrections to the measurement datum and for atmospheric pressure variations.

Corrections that are due to the quality assurance process account for differences between field-measured water levels reported in Table 2.0-1 and those reported in Appendix B, Table B-1. The field-measured water levels are accurate on a relative basis and are suitable for meeting sampling requirements.

NMED indicated that in Table 2.0-1, the transducer for R-10 screen 1 was reported as malfunctioning on the sample date of February 9, 2010, but that data were provided for the screen on that date in Table B-2.

Water levels collected manually from the transducer by the sampling team are reported in Table 2.0-1. These measurements are used to monitor drawdown during sampling.

The water level reported in Table B-2 of Appendix B is the first transducer measurement of the day. At the time of sampling, the sampling team was unable to obtain a manual reading from the transducer. For the water-level data in Appendix B, Table B-2, the transducer was functioning properly at the reported times.

7.0 REFERENCES

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

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

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

LANL (Los Alamos National Laboratory), 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)

LANL (Los Alamos National Laboratory), September 2009. "Rehabilitation and Conversion Summary Report for Well R-16," Los Alamos National Laboratory document LA-UR-09-5372, Los Alamos, New Mexico. (LANL 2009, 106945)

LANL (Los Alamos National Laboratory), May 2010. "Periodic Monitoring Report for Mortandad and Sandia Watersheds, November 2–November 20, 2009," Los Alamos National Laboratory document LA-UR-10-1776, Los Alamos, New Mexico. (LANL 2010, 109531)

LANL (Los Alamos National Laboratory), August 2010. "Periodic Monitoring Report for Mortandad and Sandia Watersheds, January 25–February 12, 2010," Los Alamos National Laboratory document LA-UR-10-4822, Los Alamos, New Mexico. (LANL 2010, 110495)

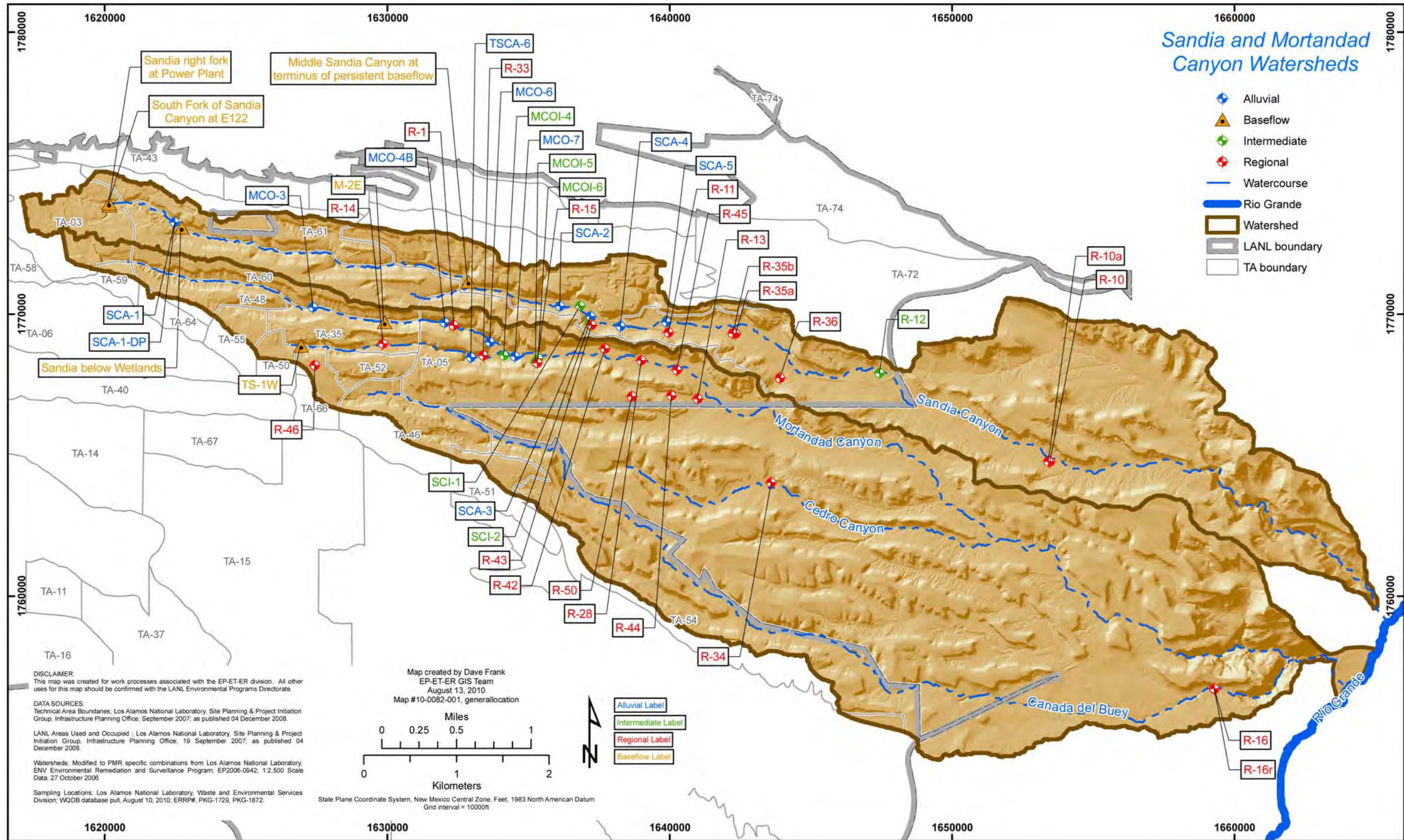


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Table 3.4-1).

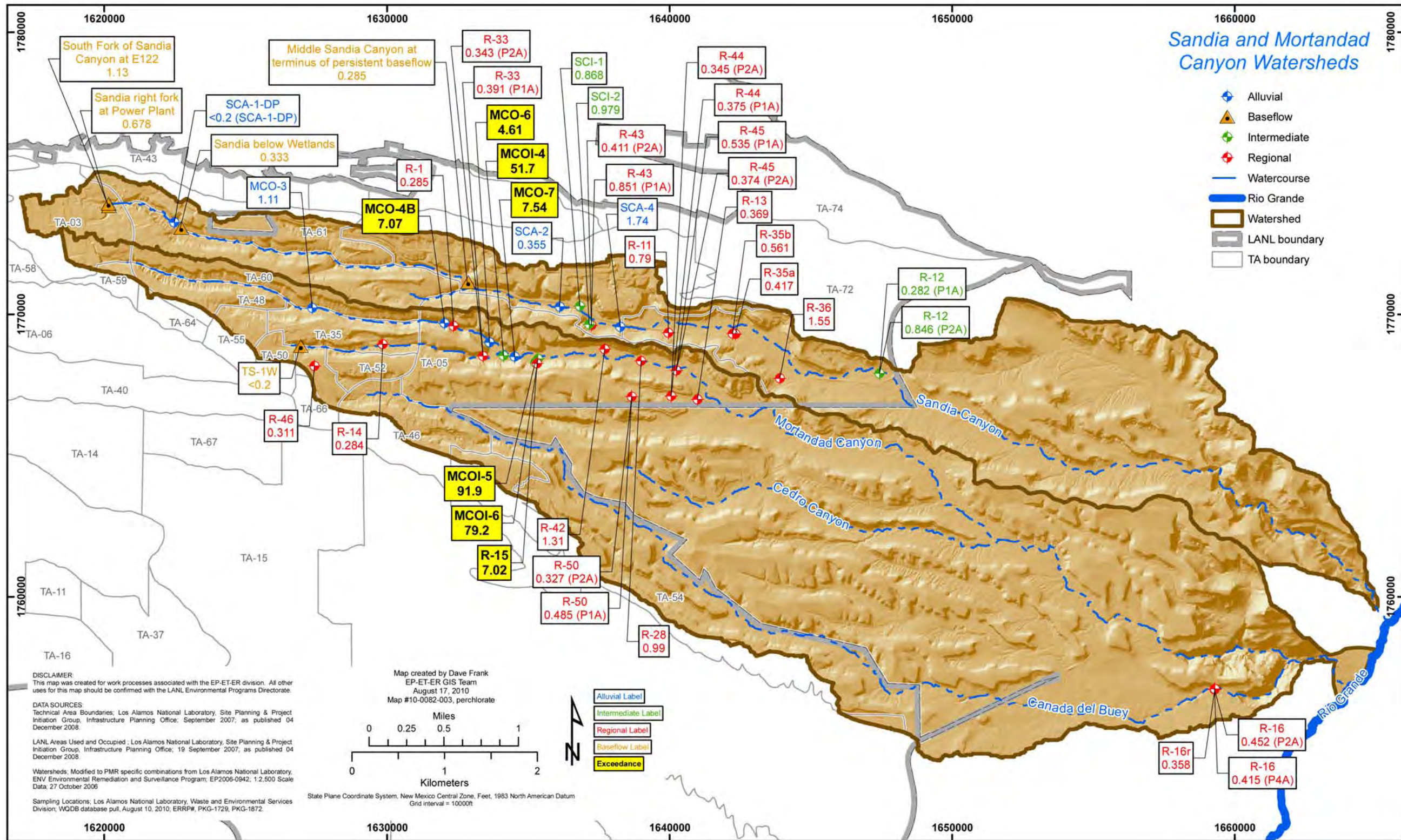


Figure 4.2-1 Watersheds filtered perchlorate concentrations in micrograms per liter. Consent Order perchlorate screening level = 4 µg/L.

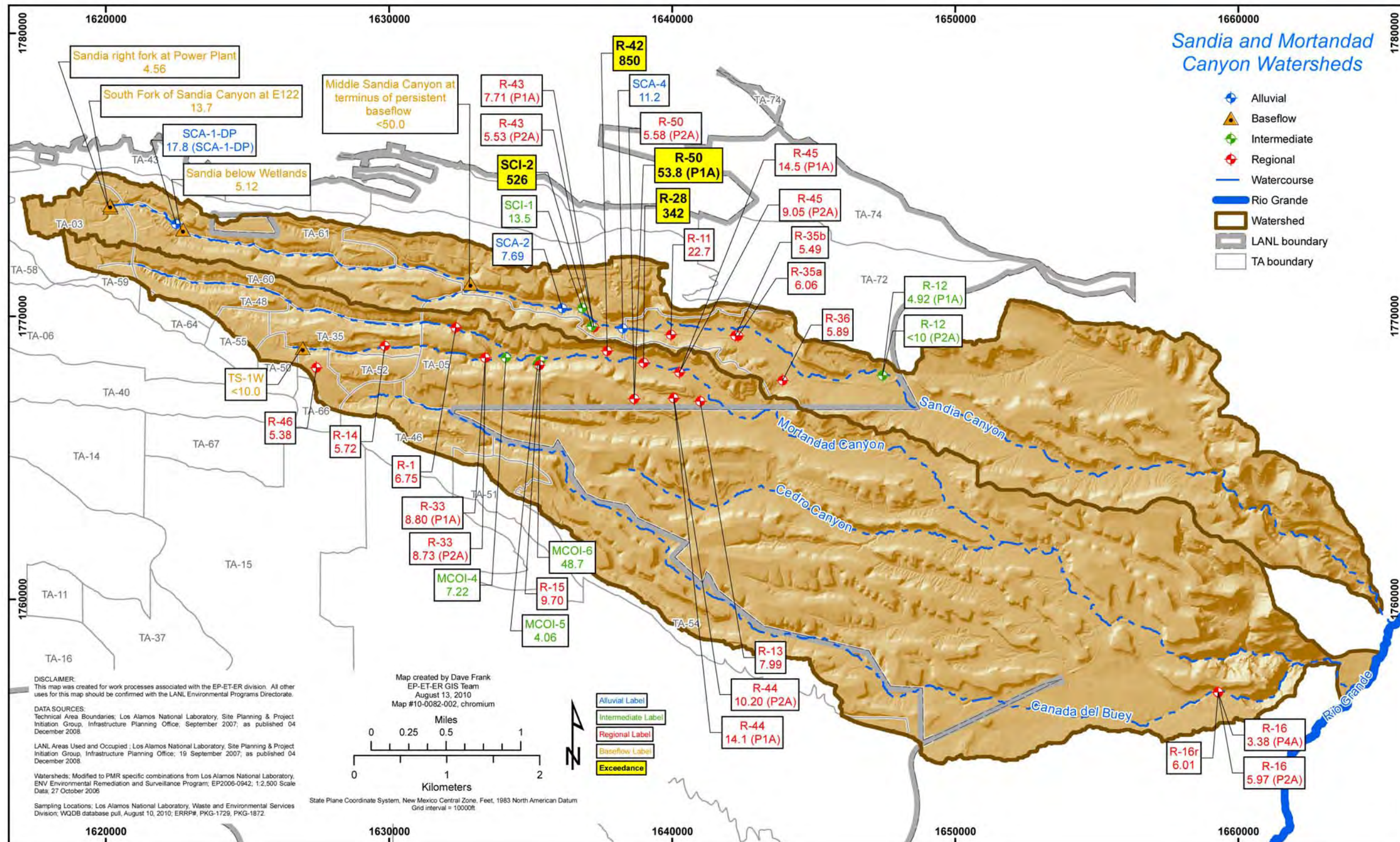


Figure 4.2-2 Watersheds filtered chromium concentrations in micrograms per liter. NMWQCC groundwater filtered chromium screening level = 50 µg /L.

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

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs ^a)
Base Flow										
M-2E	05/18/10	n/a ^b	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Dry ^c
TS-1W	05/03/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No flow
Alluvial										
MCO-3	05/14/10	Single	4561	2	10	2	12	2.53	7.65	0.0003
MCO-4B	05/14/10	Single	4581	8.9	20	8.9	28.9	2.53	3.1	0.0003
MCO-6	05/11/10	Single	4601	27	20	27	47	3.22	8.25	0.0004
MCO-7	05/11/10	Single	4631	39	30	39	69	3.45	5.5	0.0002
TSCA-6	05/10/10	Single	6091	16.2	4.7	16.2	20.9	n/a	n/a	Dry
Intermediate										
MCOI-4	05/04/10	Single	5981	499	23.1	498.9	522	3.58	2	0.0011
MCOI-5	05/03/10	Single	5721	689	9.96	689.04	699	19.45	65	0.0013
MCOI-6	05/11/10	Single	5731	686	22.3	686	708.3	49.90	150	0.0033
Regional										
R-1	05/03/10	Single	1701	1031.1	26.3	1031.12	1057.42	63.5	190.6	0.0078
R-13	05/06/10	Single	1741	958.3	60.39	958.33	1018.72	157.83	474	0.0117
R-14	05/03/10	Single	8571	1200.6	32.6	1200.6	1233.2	109.5	329	0.0147
R-15	05/17/10	Single	1751	958.6	61.7	958.6	1020.3	45	260	0.0223
R-16	05/04/10	P2A	8861	863.4	7.5	863.4	870.9	215.45	665	0.0100
R-16	05/07/10	P4A	8871	1237	7.6	1237	1244.6	44.4	133.1	0.0072
R-16r	05/07/10	Single	6341	600	17.6	600	617.6	55.27	166	0.0117
R-28	05/13/10	Single	1781	934.3	23.8	934.3	958.1	73.44	258	0.0085
R-33	05/12/10	P1A	5491	995.5	23	995.5	1018.5	74.87	225	0.0060
R-33	05/12/10	P2A	5501	1112.4	9.9	1112.4	1122.3	39.36	118	0.0058
R-34	05/06/10	Single	1791	895.15	22.9	883.7	906.6	102.52	308	0.0067
R-42	05/13/10	Single	8591	931.8	21.1	931.8	952.9	54.1	162.2	0.0040

Table 2.0-1 (continued)

Location	Sample Collection Date	Port Name	Port ID	Port Depth (ft)	Screened Interval (ft)	Top Screen Depth (ft)	Bottom Screen Depth (ft)	Calculated Single Casing Volume (gal.)	Purge Volume (gal.)	Base-Flow or Purge-Rate Values (cfs ^a)
R-44	05/04/10	P1A	8671	895	10	895	905	57.94	175	0.0078
R-44	05/04/10	P2A	8681	985.3	9.9	985.3	995.2	76.4	270	0.0078
R-45	05/13/10	P1A	8721	880	10	880	890	53.48	195.87	0.0076
R-45	05/14/10	P2A	8731	974.9	20	974.9	994.9	91.79	292.03	0.0078
R-46	05/07/10	Single	8741	1340	20.7	1340	1360.7	57.94	174	0.0107
R-50	05/27/10	P1A	9021	1077	10	1077	1087	51.9	156	0.0047
R-50	05/27/10	P2A	9011	1185	20.6	1185	1205.6	96.5	335	0.0033

^a cfs = Cubic feet per second.

^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 or Purge-Rate Values (cfs ^a)
Base Flow										
Middle Sandia Canyon at terminus of persistent base flow	05/05/10	n/a ^b	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0290
Sandia below Wetland E123	05/13/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.8288
Sandia right fork at Power Plant E121	05/07/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.2254
South Fork of Sandia Canyon at E122	05/07/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.0035
Alluvial										
SCA-1	05/13/10	Single	7981	1.3	0.6	1.3	1.9	n/a	n/a	n/a
SCA-1-DP	05/13/10	Single	8751	2.16	0.5	2.16	2.66	0.54	1.6	0.0002
SCA-2	05/12/10	Single	7991	10.3	4.7	10.3	15	0.32	1	0.0002
SCA-3	05/12/10	Single	8001	27.6	4.4	27.6	32	n/a	n/a	Dry ^c
SCA-4	05/10/10	Single	8011	37	4.5	37	41.5	1	2.3	0.0002
SCA-5	05/12/10	Single	8021	55	9.4	55	64.4	n/a	n/a	Dry
Intermediate										
R-12	05/05/10	P1A	12	468.1	8.5	459	467.5	41.29	125	0.0025
R-12	05/17/10	P2A	52	507	3.5	504.5	508	53.52	207	0.0256
SCI-1	05/07/10	Single	8211	358.4	19.5	358.4	377.9	7.13	21.5	0.0009
SCI-2	05/06/10	Single	8601	548	20	548	568	6.74	21	0.0011
R-10	05/05/10	P1A	6381	874	23	874	897	220.7	665	0.0267
R-10	05/05/10	P2A	6391	1042	23	1042	1065	130.8	400	0.0156
R-10a	05/05/10	Single	6371	690	10	690	700	68.33	230.5	0.0111
R-11	05/05/10	Single	5531	855	22.9	855	877.9	52.37	158	0.0067
R-35a	05/14/10	Single	8331	1013	49.1	1013.1	1062.2	242.4	727	0.0067
R-35b	05/12/10	Single	8351	825.4	23.1	825.4	848.5	68.6	206	0.0071
R-36	05/12/10	Single	8431	766.9	23	766.9	789.9	43.2	130	0.0072

Table 2.0-2 (continued)

Intermediate (continued)										
R-43	05/10/10	P1A	8651	903.9	20.7	903.9	924.6	67.76	260	0.0029
R-43	05/10/10	P2A	8661	969.1	10	969.1	979.1	25.19	120	0.0027

^a cfs = Cubic feet per second.

^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
TS-1W	Sampled from stagnant pool fed by seep on 05/30/10	No flow	n/a*
M-2E	No data are included in this report for this location.	This location was not sampled on 05/18/10 because it was dry.	The location will be sampled during the next scheduled PME.
TSCA-6	No data are included in this report for this location.	This location was not sampled on 05/10/10 because it was dry.	The location will be sampled during the next scheduled PME.

* n/a = Not applicable.

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

Location	Deviation	Cause	Comment
SCA-1	No data are included in this report for this location.	Cancelled on 05/13/10 because of poor recharge history. SCA-1-DP sampled as alternate location.	SCA-1-DP was sampled as an alternative location.
SCA-3 and SCA-5	No data are included in this report for these locations.	These locations were not sampled on 05/12/10 because they were dry.	These locations will be sampled during the next scheduled PME.

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

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
Radionuclides						
Np-237	Neptunium-237	n/a*	10	1.2	pCi/L	DOE DCG
Semivolatile Organic Analytes						
1912-24-9	Atrazine	2	10	3	µg/L	EPA MCL
103-33-3	Azobenzene	2	10	1.3	µg/L	EPA Regional Tap
92-87-5	Benzidine	2	50	0.00094	µg/L	EPA Regional Tap
56-55-3	Benzo(a)anthracene	0.2	1	0.29	µg/L	EPA Regional Tap
50-32-8	Benzo(a)pyrene	0.2	1	0.2	µg/L	EPA MCL
205-99-2	Benzo(b)fluoranthene	0.2	1	0.29	µg/L	EPA Regional Tap
111-44-4	Bis(2-chloroethyl)ether	2	10	0.12	µg/L	EPA Regional Tap
117-81-7	Bis(2-ethylhexyl)phthalate	2	10	6	µg/L	EPA MCL
106-47-8	Chloroaniline[4-]	2	10	3.4	µg/L	EPA Regional Tap
53-70-3	Dibenz(a,h)anthracene	0.2	1	0.029	µg/L	EPA Regional Tap
91-94-1	Dichlorobenzidine[3,3'-]	1	10	1.5	µg/L	EPA Regional Tap
534-52-1	Dinitro-2-methylphenol[4,6-]	3	10	3.6	µg/L	EPA Regional Tap
121-14-2	Dinitrotoluene[2,4-]	2	10	2.2	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
87-68-3	Hexachlorobutadiene	2	10	8.6	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
98-95-3	Nitrobenzene	3	10	1.2	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	2	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane)[2,2'-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NM GW STD
Volatile Organic Analytes						
107-02-8	Acrolein	3	5	0.042	µg/L	EPA Regional Tap
107-13-1	Acrylonitrile	1	5	0.45	µg/L	EPA Regional Tap
96-12-8	Dibromo-3-chloropropane[1,2-]	0.5	1	0.2	µg/L	EPA MCL
106-93-4	Dibromoethane[1,2-]	0.25	1	0.05	µg/L	EPA MCL
126-98-7	Methacrylonitrile	1	5	1	µg/L	EPA Regional Tap
96-18-4	Trichloropropane[1,2,3-]	0.3	1	0.0072	µg/L	EPA Regional Tap

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

* n/a = Not applicable.

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

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

^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 Code	Result	Unit	Screening Level	Screening-Level Type
Alluvial Groundwater							
MCO-5	05/14/10	Perchlorate	F ^a	7.07	µg/L	4	NM Consent Order
MCO-6	05/11/10	Perchlorate	F	4.61	µg/L	4	NM Consent Order
MCO-7	05/11/10	Perchlorate	F	7.54	µg/L	4	NM Consent Order
Intermediate Groundwater							
MCOI-4	05/04/10	Perchlorate	F	51.7	µg/L	4	NM Consent Order
MCOI-5	05/03/10	Perchlorate	F	91.9	µg/L	4	NM Consent Order
MCOI-6	05/11/10	Perchlorate	F	79.2	µg/L	4	NM Consent Order
MCOI-6	05/11/10	Nitrate + nitrite (as nitrogen)	F	10.9	mg/L	10	NMWQCC GW STD
MCOI-6	05/11/10	Benzo(a)pyrene	UF ^b	0.245	µg/L	0.2	EPA MCL
Regional Groundwater							
R-15	05/17/10	Perchlorate	F	7.02	µg/L	4	NM Consent Order
R-42	05/13/10	Chromium	F	850	µg/L	50	NMWQCC GW STD
R-28	05/13/10	Chromium	F	342	µg/L	50	NMWQCC GW STD
R-50	05/27/10	Chromium	F	53.8	µg/L	50	NMWQCC GW STD

^a F = Filtered.

^b UF = Unfiltered.

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

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Surface Water							
South Fork of Sandia Canyon at E122	05/07/10	Arsenic	F ^a	9.39	µg/L	9	NMWQCC Human Health
South Fork of Sandia Canyon at E122	05/07/10	Copper	F	9.09	µg/L	9	NMWQCC Aquatic Life Chronic (at 100 mg/L hardness)
South Fork of Sandia Canyon at E122	05/07/10	Selenium	UF ^b	15.3	µg/L	5	NMWQCC Aquatic Life Chronic
Alluvial Groundwater							
SCA-1-DP	05/13/10	Manganese	F	410	µg/L	200	NMWQCC GW STD
Intermediate Groundwater							
SCI-2	05/06/10	Chromium	F	526	µg/L	50	NMWQCC GW STD

^a F = Filtered.

^b UF = Unfiltered.

Appendix A

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

Table A-1
Mortandad Field Parameter Results and Results from the Four Previous Monitoring Events if Available

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-3	4561	2	05/14/10	WG ^a	Dissolved Oxygen	5.38	mg/L	CAMO-10-16711
MCO-3	4561	2	02/02/10	WG	Dissolved Oxygen	8.77	mg/L	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Dissolved Oxygen	4.22	mg/L	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Dissolved Oxygen	0.95	mg/L	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Dissolved Oxygen	6.79	mg/L	CAMO-09-8408
MCO-3	4561	2	05/14/10	WG	Oxidation Reduction Potential	0.9	mV ^b	CAMO-10-16711
MCO-3	4561	2	11/05/09	WG	Oxidation Reduction Potential	451	mV	CAMO-10-3089
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	05/14/10	WG	pH	7	SU ^c	CAMO-10-16711
MCO-3	4561	2	02/02/10	WG	pH	6.7	SU	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	pH	6.93	SU	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	pH	6.77	SU	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	pH	6.99	SU	CAMO-09-8408
MCO-3	4561	2	05/14/10	WG	Specific Conductance	537	μS/cm ^d	CAMO-10-16711
MCO-3	4561	2	02/02/10	WG	Specific Conductance	610	μS/cm	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Specific Conductance	288	μS/cm	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Specific Conductance	331	μS/cm	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Specific Conductance	505	μS/cm	CAMO-09-8408
MCO-3	4561	2	05/14/10	WG	Temperature	6.87	deg C	CAMO-10-16711
MCO-3	4561	2	02/02/10	WG	Temperature	2.65	deg C	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Temperature	6.53	deg C	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Temperature	14.19	deg C	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Temperature	6.81	deg C	CAMO-09-8408
MCO-3	4561	2	05/14/10	WG	Turbidity	26.5	NTU ^e	CAMO-10-16711

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-3	4561	2	02/02/10	WG	Turbidity	2.01	NTU	CAMO-10-9308
MCO-3	4561	2	11/05/09	WG	Turbidity	67.3	NTU	CAMO-10-3089
MCO-3	4561	2	08/12/09	WG	Turbidity	61.4	NTU	CAMO-09-9487
MCO-3	4561	2	04/30/09	WG	Turbidity	5.7	NTU	CAMO-09-8408
MCO-4B	4581	8.9	05/14/10	WG	Dissolved Oxygen	9.48	mg/L	CAMO-10-16713
MCO-4B	4581	8.9	02/03/10	WG	Dissolved Oxygen	8.54	mg/L	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Dissolved Oxygen	8.29	mg/L	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Dissolved Oxygen	11.14	mg/L	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Dissolved Oxygen	8.45	mg/L	CAMO-09-8144
MCO-4B	4581	8.9	05/14/10	WG	Oxidation Reduction Potential	95.5	mV	CAMO-10-16713
MCO-4B	4581	8.9	02/03/10	WG	Oxidation Reduction Potential	263.6	mV	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Oxidation Reduction Potential	143.8	mV	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Oxidation Reduction Potential	374.3	mV	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Oxidation Reduction Potential	142.5	mV	CAMO-09-8144
MCO-4B	4581	8.9	05/14/10	WG	pH	6.72	SU	CAMO-10-16713
MCO-4B	4581	8.9	02/03/10	WG	pH	6.54	SU	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	pH	6.54	SU	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	pH	6.1	SU	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	pH	6.15	SU	CAMO-09-8144
MCO-4B	4581	8.9	05/14/10	WG	Specific Conductance	605	µS/cm	CAMO-10-16713
MCO-4B	4581	8.9	02/03/10	WG	Specific Conductance	388	µS/cm	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Specific Conductance	473	µS/cm	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Specific Conductance	326	µS/cm	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Specific Conductance	303	µS/cm	CAMO-09-8144
MCO-4B	4581	8.9	05/14/10	WG	Temperature	9.01	deg C	CAMO-10-16713

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-4B	4581	8.9	02/03/10	WG	Temperature	8.49	deg C	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Temperature	8.81	deg C	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Temperature	8.32	deg C	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Temperature	8.33	deg C	CAMO-09-8144
MCO-4B	4581	8.9	05/14/10	WG	Turbidity	1.76	NTU	CAMO-10-16713
MCO-4B	4581	8.9	02/03/10	WG	Turbidity	50	NTU	CAMO-10-9281
MCO-4B	4581	8.9	11/09/09	WG	Turbidity	1.81	NTU	CAMO-10-3092
MCO-4B	4581	8.9	08/18/09	WG	Turbidity	3.14	NTU	CAMO-09-9498
MCO-4B	4581	8.9	05/04/09	WG	Turbidity	39.6	NTU	CAMO-09-8144
MCO-6	4601	27	05/11/10	WG	Dissolved Oxygen	8.56	mg/L	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Dissolved Oxygen	7.61	mg/L	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Dissolved Oxygen	8.49	mg/L	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Dissolved Oxygen	8.84	mg/L	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Dissolved Oxygen	8.16	mg/L	CAMO-09-8146
MCO-6	4601	27	05/11/10	WG	Oxidation Reduction Potential	450	mV	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Oxidation Reduction Potential	245.4	mV	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Oxidation Reduction Potential	465	mV	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Oxidation Reduction Potential	490.3	mV	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Oxidation Reduction Potential	124.9	mV	CAMO-09-8146
MCO-6	4601	27	05/11/10	WG	pH	6.71	SU	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	pH	6.47	SU	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	pH	6.49	SU	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	pH	5.82	SU	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	pH	6.78	SU	CAMO-09-8146
MCO-6	4601	27	05/11/10	WG	Specific Conductance	422	μS/cm	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Specific Conductance	453	μS/cm	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Specific Conductance	475	μS/cm	CAMO-10-3094

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	05/11/10	WG	Temperature	9.42	deg C	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Temperature	9.06	deg C	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Temperature	9.08	deg C	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Temperature	9.68	deg C	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Temperature	11.63	deg C	CAMO-09-8146
MCO-6	4601	27	05/11/10	WG	Turbidity	3.07	NTU	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Turbidity	2.33	NTU	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Turbidity	1.11	NTU	CAMO-10-3094
MCO-6	4601	27	08/12/09	WG	Turbidity	2.45	NTU	CAMO-09-9507
MCO-6	4601	27	05/05/09	WG	Turbidity	8.89	NTU	CAMO-09-8146
MCO-7	4631	39	05/11/10	WG	Dissolved Oxygen	7.55	mg/L	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Dissolved Oxygen	10.41	mg/L	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Dissolved Oxygen	8.65	mg/L	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Dissolved Oxygen	7.83	mg/L	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Dissolved Oxygen	7.95	mg/L	CAMO-09-8147
MCO-7	4631	39	05/11/10	WG	Oxidation Reduction Potential	404.3	mV	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Oxidation Reduction Potential	466.6	mV	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Oxidation Reduction Potential	483	mV	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Oxidation Reduction Potential	370.2	mV	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Oxidation Reduction Potential	211.4	mV	CAMO-09-8147
MCO-7	4631	39	05/11/10	WG	pH	6.71	SU	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	pH	6.61	SU	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	pH	6.39	SU	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	pH	6.66	SU	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	pH	6.73	SU	CAMO-09-8147

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCO-7	4631	39	05/11/10	WG	Specific Conductance	476	µS/cm	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Specific Conductance	475	µS/cm	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Specific Conductance	454	µS/cm	CAMO-10-3095
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	05/11/10	WG	Temperature	10.88	deg C	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Temperature	9.7	deg C	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Temperature	9.88	deg C	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Temperature	10.77	deg C	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Temperature	10.6	deg C	CAMO-09-8147
MCO-7	4631	39	05/11/10	WG	Turbidity	4.64	NTU	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Turbidity	4.5	NTU	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Turbidity	4.87	NTU	CAMO-10-3095
MCO-7	4631	39	08/13/09	WG	Turbidity	4.78	NTU	CAMO-09-9514
MCO-7	4631	39	05/04/09	WG	Turbidity	4.76	NTU	CAMO-09-8147
MCOI-4	5981	499	05/04/10	WG	Dissolved Oxygen	8.02	mg/L	CAMO-10-16726
MCOI-4	5981	499	01/26/10	WG	Dissolved Oxygen	9.18	mg/L	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Dissolved Oxygen	10.61	mg/L	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Dissolved Oxygen	9.94	mg/L	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Dissolved Oxygen	10.09	mg/L	CAMO-09-8156
MCOI-4	5981	499	05/04/10	WG	Oxidation Reduction Potential	220.1	mV	CAMO-10-16726
MCOI-4	5981	499	01/26/10	WG	Oxidation Reduction Potential	413.7	mV	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Oxidation Reduction Potential	365	mV	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Oxidation Reduction Potential	337.6	mV	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Oxidation Reduction Potential	447	mV	CAMO-09-8156
MCOI-4	5981	499	05/04/10	WG	pH	7.28	SU	CAMO-10-16726
MCOI-4	5981	499	01/26/10	WG	pH	6.95	SU	CAMO-10-9313

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-4	5981	499	11/05/09	WG	pH	7.77	SU	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	pH	7.2	SU	CAMO-09-9527
MCOI-4	5981	499	05/04/10	WG	Specific Conductance	284	µS/cm	CAMO-10-16726
MCOI-4	5981	499	01/26/10	WG	Specific Conductance	285	µS/cm	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Specific Conductance	278	µS/cm	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Specific Conductance	224	µS/cm	CAMO-09-9527
MCOI-4	5981	499	05/04/10	WG	Temperature	17.48	deg C	CAMO-10-16726
MCOI-4	5981	499	01/26/10	WG	Temperature	10.88	deg C	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Temperature	13.04	deg C	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Temperature	14.75	deg C	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Temperature	13.09	deg C	CAMO-09-8156
MCOI-4	5981	499	05/04/10	WG	Turbidity	19.9	NTU	CAMO-10-16726
MCOI-4	5981	499	01/26/10	WG	Turbidity	3.2	NTU	CAMO-10-9313
MCOI-4	5981	499	11/05/09	WG	Turbidity	2.92	NTU	CAMO-10-3116
MCOI-4	5981	499	08/07/09	WG	Turbidity	1.52	NTU	CAMO-09-9527
MCOI-4	5981	499	05/05/09	WG	Turbidity	0.53	NTU	CAMO-09-8156
MCOI-5	5721	689	05/03/10	WG	Dissolved Oxygen	6	mg/L	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Dissolved Oxygen	6.64	mg/L	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Dissolved Oxygen	5.51	mg/L	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Dissolved Oxygen	6.3	mg/L	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Dissolved Oxygen	5.57	mg/L	CAMO-09-8163
MCOI-5	5721	689	05/03/10	WG	Oxidation Reduction Potential	238.1	mV	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Oxidation Reduction Potential	227.3	mV	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Oxidation Reduction Potential	127.9	mV	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Oxidation Reduction Potential	347.9	mV	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Oxidation Reduction Potential	421.8	mV	CAMO-09-8163
MCOI-5	5721	689	05/03/10	WG	pH	8.01	SU	CAMO-10-16735

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
MCOI-5	5721	689	01/25/10	WG	pH	7.97	SU	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	pH	7.57	SU	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	pH	7.93	SU	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	pH	7.85	SU	CAMO-09-8163
MCOI-5	5721	689	05/03/10	WG	Specific Conductance	184	μS/cm	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Specific Conductance	176	μS/cm	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Specific Conductance	182	μS/cm	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Specific Conductance	156	μS/cm	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Specific Conductance	152	μS/cm	CAMO-09-8163
MCOI-5	5721	689	05/03/10	WG	Temperature	14.83	deg C	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Temperature	12.96	deg C	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Temperature	13.99	deg C	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Temperature	15.24	deg C	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Temperature	15.13	deg C	CAMO-09-8163
MCOI-5	5721	689	05/03/10	WG	Turbidity	2.96	NTU	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Turbidity	1.18	NTU	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Turbidity	0.78	NTU	CAMO-10-3119
MCOI-5	5721	689	08/06/09	WG	Turbidity	1.23	NTU	CAMO-09-9532
MCOI-5	5721	689	05/04/09	WG	Turbidity	6.45	NTU	CAMO-09-8163
MCOI-6	5731	686	05/11/10	WG	Dissolved Oxygen	5.53	mg/L	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Dissolved Oxygen	6.82	mg/L	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Dissolved Oxygen	6.42	mg/L	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Dissolved Oxygen	5.39	mg/L	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Dissolved Oxygen	7.93	mg/L	CAMO-09-8169
MCOI-6	5731	686	05/11/10	WG	Oxidation Reduction Potential	92.8	mV	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Oxidation Reduction Potential	211.8	mV	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Oxidation Reduction Potential	94.1	mV	CAMO-10-3121

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	05/11/10	WG	pH	6.54	SU	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	pH	6.49	SU	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	pH	7.08	SU	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	pH	7.14	SU	CAMO-09-9533
MCOI-6	5731	686	05/11/10	WG	Specific Conductance	590	µS/cm	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Specific Conductance	488	µS/cm	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Specific Conductance	537	µS/cm	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Specific Conductance	576	µS/cm	CAMO-09-9533
MCOI-6	5731	686	05/11/10	WG	Temperature	17.01	deg C	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Temperature	15.05	deg C	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Temperature	16.98	deg C	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Temperature	25.28	deg C	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Temperature	16.31	deg C	CAMO-09-8169
MCOI-6	5731	686	05/11/10	WG	Turbidity	0.58	NTU	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Turbidity	0.45	NTU	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Turbidity	0.57	NTU	CAMO-10-3121
MCOI-6	5731	686	08/19/09	WG	Turbidity	1.24	NTU	CAMO-09-9533
MCOI-6	5731	686	05/05/09	WG	Turbidity	0.45	NTU	CAMO-09-8169
R-1	1701	1031.1	05/03/10	WG	Dissolved Oxygen	5.21	mg/L	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Dissolved Oxygen	4.65	mg/L	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Dissolved Oxygen	5.09	mg/L	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Dissolved Oxygen	4.98	mg/L	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Dissolved Oxygen	5.4	mg/L	CAMO-09-8172
R-1	1701	1031.1	05/03/10	WG	Oxidation Reduction Potential	141.6	mV	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Oxidation Reduction Potential	193.9	mV	CAMO-10-9329

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-1	1701	1031.1	11/16/09	WG	Oxidation Reduction Potential	83.6	mV	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Oxidation Reduction Potential	79.4	mV	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Oxidation Reduction Potential	93	mV	CAMO-09-8172
R-1	1701	1031.1	05/03/10	WG	pH	7.55	SU	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	pH	7.22	SU	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	pH	7.45	SU	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	pH	7.36	SU	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	pH	7.62	SU	CAMO-09-8172
R-1	1701	1031.1	05/03/10	WG	Specific Conductance	143	µS/cm	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Specific Conductance	140	µS/cm	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Specific Conductance	133	µS/cm	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Specific Conductance	151	µS/cm	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Specific Conductance	130	µS/cm	CAMO-09-8172
R-1	1701	1031.1	05/03/10	WG	Temperature	21.9	deg C	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Temperature	20.26	deg C	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Temperature	20.4	deg C	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Temperature	22.78	deg C	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Temperature	22.29	deg C	CAMO-09-8172
R-1	1701	1031.1	05/03/10	WG	Turbidity	0.49	NTU	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Turbidity	1.42	NTU	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Turbidity	0.33	NTU	CAMO-10-3125
R-1	1701	1031.1	08/13/09	WG	Turbidity	0.7	NTU	CAMO-09-9549
R-1	1701	1031.1	05/01/09	WG	Turbidity	0.3	NTU	CAMO-09-8172
R-13	1741	958.3	05/06/10	WG	Dissolved Oxygen	4.77	mg/L	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Dissolved Oxygen	6.05	mg/L	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Dissolved Oxygen	5.38	mg/L	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Dissolved Oxygen	5.24	mg/L	CAMO-09-9558

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-13	1741	958.3	04/30/09	WG	Dissolved Oxygen	5.89	mg/L	CAMO-09-8180
R-13	1741	958.3	05/06/10	WG	Oxidation Reduction Potential	230.9	mV	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Oxidation Reduction Potential	390.7	mV	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Oxidation Reduction Potential	171.9	mV	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Oxidation Reduction Potential	154.9	mV	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Oxidation Reduction Potential	203.2	mV	CAMO-09-8180
R-13	1741	958.3	05/06/10	WG	pH	8.15	SU	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	pH	7.95	SU	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	pH	7.91	SU	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	pH	8.17	SU	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	pH	8.09	SU	CAMO-09-8180
R-13	1741	958.3	05/06/10	WG	Specific Conductance	131	µS/cm	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Specific Conductance	139	µS/cm	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Specific Conductance	135	µS/cm	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Specific Conductance	137	µS/cm	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Specific Conductance	122	µS/cm	CAMO-09-8180
R-13	1741	958.3	05/06/10	WG	Temperature	23.13	deg C	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Temperature	20.92	deg C	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Temperature	20.53	deg C	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Temperature	22.11	deg C	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Temperature	22.13	deg C	CAMO-09-8180
R-13	1741	958.3	05/06/10	WG	Turbidity	0.53	NTU	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Turbidity	0.47	NTU	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Turbidity	0.17	NTU	CAMO-10-3134
R-13	1741	958.3	08/06/09	WG	Turbidity	0.78	NTU	CAMO-09-9558
R-13	1741	958.3	04/30/09	WG	Turbidity	0.23	NTU	CAMO-09-8180
R-14	8571	1200.6	05/03/10	WG	Dissolved Oxygen	4.06	mg/L	CAMO-10-16752

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-14	8571	1200.6	02/03/10	WG	Dissolved Oxygen	4.16	mg/L	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Dissolved Oxygen	3.69	mg/L	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Dissolved Oxygen	4.07	mg/L	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Dissolved Oxygen	3.71	mg/L	CAMO-09-8207
R-14	8571	1200.6	05/03/10	WG	Oxidation Reduction Potential	20.2	mV	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Oxidation Reduction Potential	235.1	mV	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Oxidation Reduction Potential	56.9	mV	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Oxidation Reduction Potential	173.1	mV	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Oxidation Reduction Potential	81.6	mV	CAMO-09-8207
R-14	8571	1200.6	05/03/10	WG	pH	8.02	SU	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	pH	8.12	SU	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	pH	8.06	SU	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	pH	8.18	SU	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	pH	8.02	SU	CAMO-09-8207
R-14	8571	1200.6	05/03/10	WG	Specific Conductance	132	µS/cm	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Specific Conductance	131	µS/cm	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Specific Conductance	134	µS/cm	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Specific Conductance	130	µS/cm	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Specific Conductance	138	µS/cm	CAMO-09-8207
R-14	8571	1200.6	05/03/10	WG	Temperature	22.13	deg C	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Temperature	19.02	deg C	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Temperature	23.81	deg C	CAMO-10-3215
R-14	8571	1200.6	08/07/09	WG	Temperature	23.9	deg C	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Temperature	24.16	deg C	CAMO-09-8207
R-14	8571	1200.6	05/03/10	WG	Turbidity	0.98	NTU	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Turbidity	0.59	NTU	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Turbidity	0.85	NTU	CAMO-10-3215

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-14	8571	1200.6	08/07/09	WG	Turbidity	0.94	NTU	CAMO-09-9571
R-14	8571	1200.6	05/07/09	WG	Turbidity	0.97	NTU	CAMO-09-8207
R-15	1751	958.6	05/17/10	WG	Dissolved Oxygen	5.77	mg/L	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Dissolved Oxygen	6.48	mg/L	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Dissolved Oxygen	5.94	mg/L	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Dissolved Oxygen	5.65	mg/L	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Dissolved Oxygen	6.1	mg/L	CAMO-09-8173
R-15	1751	958.6	05/17/10	WG	Oxidation Reduction Potential	61.8	mV	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Oxidation Reduction Potential	352.3	mV	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Oxidation Reduction Potential	180.6	mV	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Oxidation Reduction Potential	170.5	mV	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Oxidation Reduction Potential	267.9	mV	CAMO-09-8173
R-15	1751	958.6	05/17/10	WG	pH	8.1	SU	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	pH	7.78	SU	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	pH	8.05	SU	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	pH	8.3	SU	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	pH	7.86	SU	CAMO-09-8173
R-15	1751	958.6	05/17/10	WG	Specific Conductance	147	μS/cm	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Specific Conductance	152	μS/cm	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Specific Conductance	157	μS/cm	CAMO-10-3138
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	05/17/10	WG	Temperature	20.3	deg C	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Temperature	19.25	deg C	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Temperature	19.78	deg C	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Temperature	20.69	deg C	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Temperature	19.82	deg C	CAMO-09-8173

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Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-15	1751	958.6	05/17/10	WG	Turbidity	3.1	NTU	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Turbidity	2.38	NTU	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Turbidity	2.14	NTU	CAMO-10-3138
R-15	1751	958.6	08/06/09	WG	Turbidity	1.68	NTU	CAMO-09-9542
R-15	1751	958.6	05/04/09	WG	Turbidity	0.91	NTU	CAMO-09-8173
R-16	8861	863.4	05/04/10	WG	Dissolved Oxygen	5.43	mg/L	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Dissolved Oxygen	4.9	mg/L	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Dissolved Oxygen	5.14	mg/L	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Dissolved Oxygen	4.97	mg/L	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Dissolved Oxygen	7.32	mg/L	GW16-10-2253
R-16	8861	863.4	05/04/10	WG	Oxidation Reduction Potential	192.7	mV	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Oxidation Reduction Potential	95.1	mV	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Oxidation Reduction Potential	115.7	mV	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Oxidation Reduction Potential	292.5	mV	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Oxidation Reduction Potential	196.2	mV	GW16-10-2253
R-16	8861	863.4	05/04/10	WG	pH	7.47	SU	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	pH	7.89	SU	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	pH	7.93	SU	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	pH	7.98	SU	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	pH	8.02	SU	GW16-10-2253
R-16	8861	863.4	05/04/10	WG	Specific Conductance	176	µS/cm	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Specific Conductance	163	µS/cm	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Specific Conductance	173	µS/cm	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Specific Conductance	173	µS/cm	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Specific Conductance	169	µS/cm	GW16-10-2253
R-16	8861	863.4	05/04/10	WG	Temperature	22.81	deg C	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Temperature	19.83	deg C	CAMO-10-9388

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	8861	863.4	12/10/09	WG	Temperature	20.61	deg C	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Temperature	21.75	deg C	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Temperature	22.31	deg C	GW16-10-2253
R-16	8861	863.4	05/04/10	WG	Turbidity	1.5	NTU	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Turbidity	0.34	NTU	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Turbidity	0.34	NTU	GW16-10-2261
R-16	8861	863.4	11/19/09	WG	Turbidity	0.62	NTU	CAMO-10-3150
R-16	8861	863.4	10/23/09	WG	Turbidity	0.95	NTU	GW16-10-2253
R-16	8871	1237	05/07/10	WG	Dissolved Oxygen	3.11	mg/L	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Dissolved Oxygen	1.3	mg/L	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Dissolved Oxygen	1.33	mg/L	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Dissolved Oxygen	0.89	mg/L	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Dissolved Oxygen	4.17	mg/L	GW16-10-2255
R-16	8871	1237	05/07/10	WG	Oxidation Reduction Potential	149.5	mV	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Oxidation Reduction Potential	527	mV	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Oxidation Reduction Potential	97.3	mV	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Oxidation Reduction Potential	228.1	mV	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Oxidation Reduction Potential	120.9	mV	GW16-10-2255
R-16	8871	1237	05/07/10	WG	pH	8.09	SU	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	pH	8.11	SU	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	pH	8.45	SU	GW16-10-2264
R-16	8871	1237	11/19/09	WG	pH	8.37	SU	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	pH	8.18	SU	GW16-10-2255
R-16	8871	1237	05/07/10	WG	Specific Conductance	157	µS/cm	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Specific Conductance	177	µS/cm	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Specific Conductance	189	µS/cm	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Specific Conductance	188	µS/cm	CAMO-10-3193

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16	8871	1237	10/23/09	WG	Specific Conductance	177	µS/cm	GW16-10-2255
R-16	8871	1237	05/07/10	WG	Temperature	23.59	deg C	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Temperature	19.88	deg C	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Temperature	20.56	deg C	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Temperature	20.94	deg C	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Temperature	20.66	deg C	GW16-10-2255
R-16	8871	1237	05/07/10	WG	Turbidity	0.43	NTU	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Turbidity	0.44	NTU	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Turbidity	0.59	NTU	GW16-10-2264
R-16	8871	1237	11/19/09	WG	Turbidity	2.96	NTU	CAMO-10-3193
R-16	8871	1237	10/23/09	WG	Turbidity	1.27	NTU	GW16-10-2255
R-16r	6341	600	05/07/10	WG	Dissolved Oxygen	5.04	mg/L	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Dissolved Oxygen	5.35	mg/L	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Dissolved Oxygen	6.66	mg/L	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Dissolved Oxygen	5.17	mg/L	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Dissolved Oxygen	4.75	mg/L	CAMO-09-8192
R-16r	6341	600	05/07/10	WG	Oxidation Reduction Potential	88.2	mV	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Oxidation Reduction Potential	446	mV	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Oxidation Reduction Potential	350.4	mV	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Oxidation Reduction Potential	188	mV	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Oxidation Reduction Potential	356.7	mV	CAMO-09-8192
R-16r	6341	600	05/07/10	WG	pH	7.76	SU	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	pH	7.83	SU	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	pH	7.97	SU	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	pH	8.3	SU	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	pH	8.01	SU	CAMO-09-8192
R-16r	6341	600	05/07/10	WG	Specific Conductance	169	µS/cm	CAMO-10-16833

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-16r	6341	600	02/04/10	WG	Specific Conductance	174	µS/cm	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Specific Conductance	171	µS/cm	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Specific Conductance	176	µS/cm	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Specific Conductance	159	µS/cm	CAMO-09-8192
R-16r	6341	600	05/07/10	WG	Temperature	20.05	deg C	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Temperature	20.05	deg C	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Temperature	18.31	deg C	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Temperature	20.96	deg C	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Temperature	21.65	deg C	CAMO-09-8192
R-16r	6341	600	05/07/10	WG	Turbidity	0.22	NTU	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Turbidity	1.04	NTU	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Turbidity	0.22	NTU	CAMO-10-3144
R-16r	6341	600	08/11/09	WG	Turbidity	1.32	NTU	CAMO-09-9556
R-16r	6341	600	05/04/09	WG	Turbidity	0.42	NTU	CAMO-09-8192
R-28	1781	934.3	05/13/10	WG	Dissolved Oxygen	5.96	mg/L	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Dissolved Oxygen	6.68	mg/L	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Dissolved Oxygen	6.72	mg/L	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Dissolved Oxygen	5.57	mg/L	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Dissolved Oxygen	5.55	mg/L	CAMO-09-8177
R-28	1781	934.3	05/13/10	WG	Oxidation Reduction Potential	438	mV	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Oxidation Reduction Potential	174.4	mV	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Oxidation Reduction Potential	161.1	mV	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Oxidation Reduction Potential	257.7	mV	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Oxidation Reduction Potential	132.8	mV	CAMO-09-8177
R-28	1781	934.3	05/13/10	WG	pH	7.74	SU	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	pH	7.79	SU	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	pH	7.69	SU	CAMO-10-3130

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-28	1781	934.3	08/13/09	WG	pH	7.58	SU	CAMO-09-9546
R-28	1781	934.3	05/13/10	WG	Specific Conductance	394	µS/cm	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Specific Conductance	390	µS/cm	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Specific Conductance	397	µS/cm	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Specific Conductance	411	µS/cm	CAMO-09-9546
R-28	1781	934.3	05/13/10	WG	Temperature	20.05	deg C	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Temperature	19.48	deg C	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Temperature	21.02	deg C	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Temperature	22.14	deg C	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Temperature	21.58	deg C	CAMO-09-8177
R-28	1781	934.3	05/13/10	WG	Turbidity	0.85	NTU	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Turbidity	0.57	NTU	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Turbidity	0.71	NTU	CAMO-10-3130
R-28	1781	934.3	08/13/09	WG	Turbidity	0.56	NTU	CAMO-09-9546
R-28	1781	934.3	05/01/09	WG	Turbidity	4.16	NTU	CAMO-09-8177
R-33	5491	995.5	05/12/10	WG	Dissolved Oxygen	4.46	mg/L	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Dissolved Oxygen	4.76	mg/L	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Dissolved Oxygen	4.41	mg/L	CAMO-10-3196
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	05/12/10	WG	Oxidation Reduction Potential	403.6	mV	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Oxidation Reduction Potential	129.9	mV	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Oxidation Reduction Potential	98.6	mV	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Oxidation Reduction Potential	110.3	mV	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Oxidation Reduction Potential	179.5	mV	CAMO-09-8200
R-33	5491	995.5	05/12/10	WG	pH	7.2	SU	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	pH	7.17	SU	CAMO-10-9361

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5491	995.5	11/09/09	WG	pH	7.25	SU	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	pH	7.43	SU	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	pH	7.22	SU	CAMO-09-8200
R-33	5491	995.5	05/12/10	WG	Specific Conductance	137	µS/cm	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Specific Conductance	134	µS/cm	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Specific Conductance	150	µS/cm	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Specific Conductance	131	µS/cm	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Specific Conductance	128	µS/cm	CAMO-09-8200
R-33	5491	995.5	05/12/10	WG	Temperature	18.93	deg C	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Temperature	21.12	deg C	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Temperature	21.09	deg C	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Temperature	20.4	deg C	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Temperature	22.21	deg C	CAMO-09-8200
R-33	5491	995.5	05/12/10	WG	Turbidity	1.36	NTU	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Turbidity	0.59	NTU	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Turbidity	0.41	NTU	CAMO-10-3196
R-33	5491	995.5	08/14/09	WG	Turbidity	1.49	NTU	CAMO-09-9578
R-33	5491	995.5	05/06/09	WG	Turbidity	0.88	NTU	CAMO-09-8200
R-33	5501	1112.4	05/12/10	WG	Dissolved Oxygen	5.22	mg/L	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Dissolved Oxygen	5.95	mg/L	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Dissolved Oxygen	5.5	mg/L	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Dissolved Oxygen	6.31	mg/L	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Dissolved Oxygen	5.52	mg/L	CAMO-09-8202
R-33	5501	1112.4	05/12/10	WG	Oxidation Reduction Potential	351.8	mV	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Oxidation Reduction Potential	226.4	mV	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Oxidation Reduction Potential	136.9	mV	CAMO-10-3211
R-33	5501	1112.4	05/05/09	WG	Oxidation Reduction Potential	209.4	mV	CAMO-09-8202

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-33	5501	1112.4	02/03/09	WG	Oxidation Reduction Potential	131.9	mV	CAMO-09-2868
R-33	5501	1112.4	05/12/10	WG	pH	7.67	SU	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	pH	7.43	SU	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	pH	7.39	SU	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	pH	7.53	SU	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	pH	7.16	SU	CAMO-09-8202
R-33	5501	1112.4	05/12/10	WG	Specific Conductance	133	µS/cm	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Specific Conductance	126	µS/cm	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Specific Conductance	139	µS/cm	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Specific Conductance	131	µS/cm	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Specific Conductance	124	µS/cm	CAMO-09-8202
R-33	5501	1112.4	05/12/10	WG	Temperature	20.9	deg C	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Temperature	19.93	deg C	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Temperature	21.66	deg C	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Temperature	21.5	deg C	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Temperature	21.88	deg C	CAMO-09-8202
R-33	5501	1112.4	05/12/10	WG	Turbidity	0.46	NTU	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Turbidity	0.49	NTU	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Turbidity	2.28	NTU	CAMO-10-3211
R-33	5501	1112.4	08/14/09	WG	Turbidity	0.91	NTU	CAMO-09-9580
R-33	5501	1112.4	05/05/09	WG	Turbidity	0.54	NTU	CAMO-09-8202
R-34	1791	883.7	05/06/10	WG	Dissolved Oxygen	4.06	mg/L	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Dissolved Oxygen	4.49	mg/L	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Dissolved Oxygen	4.71	mg/L	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Dissolved Oxygen	4.26	mg/L	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Dissolved Oxygen	5.84	mg/L	CAMO-09-8189
R-34	1791	883.7	05/06/10	WG	Oxidation Reduction Potential	365.5	mV	CAMO-10-16837

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-34	1791	883.7	02/10/10	WG	Oxidation Reduction Potential	452.1	mV	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Oxidation Reduction Potential	222	mV	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Oxidation Reduction Potential	106.9	mV	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Oxidation Reduction Potential	187	mV	CAMO-09-8189
R-34	1791	883.7	05/06/10	WG	pH	8.2	SU	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	pH	8.06	SU	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	pH	8.03	SU	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	pH	8.03	SU	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	pH	8.12	SU	CAMO-09-8189
R-34	1791	883.7	05/06/10	WG	Specific Conductance	146	µS/cm	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Specific Conductance	159	µS/cm	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Specific Conductance	152	µS/cm	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Specific Conductance	159	µS/cm	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Specific Conductance	178	µS/cm	CAMO-09-8189
R-34	1791	883.7	05/06/10	WG	Temperature	22.23	deg C	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Temperature	20.45	deg C	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Temperature	21.17	deg C	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Temperature	25	deg C	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Temperature	22.58	deg C	CAMO-09-8189
R-34	1791	883.7	05/06/10	WG	Turbidity	3.87	NTU	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Turbidity	1.7	NTU	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Turbidity	2.06	NTU	CAMO-10-3147
R-34	1791	883.7	08/12/09	WG	Turbidity	3.54	NTU	CAMO-09-9563
R-34	1791	883.7	05/12/09	WG	Turbidity	4.52	NTU	CAMO-09-8189
R-42	8591	931.8	05/13/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-9357

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-42	8591	931.8	11/05/09	WG	Dissolved Oxygen	6.68	mg/L	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Dissolved Oxygen	6.75	mg/L	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Dissolved Oxygen	6.19	mg/L	CAMO-09-8209
R-42	8591	931.8	05/13/10	WG	Oxidation Reduction Potential	408.5	mV	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Oxidation Reduction Potential	243.4	mV	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Oxidation Reduction Potential	243.4	mV	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Oxidation Reduction Potential	279.5	mV	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Oxidation Reduction Potential	186.5	mV	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Oxidation Reduction Potential	297.1	mV	CAMO-09-8209
R-42	8591	931.8	05/13/10	WG	pH	7.36	SU	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	pH	7.39	SU	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	pH	7.39	SU	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	pH	7.92	SU	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	pH	7.35	SU	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	pH	7.13	SU	CAMO-09-8209
R-42	8591	931.8	05/13/10	WG	Specific Conductance	456	µS/cm	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Specific Conductance	462	µS/cm	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Specific Conductance	462	µS/cm	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Specific Conductance	452	µS/cm	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Specific Conductance	432	µS/cm	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Specific Conductance	363	µS/cm	CAMO-09-8209
R-42	8591	931.8	05/13/10	WG	Temperature	19.72	deg C	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Temperature	18	deg C	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Temperature	18	deg C	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Temperature	19.75	deg C	CAMO-10-3218
R-42	8591	931.8	08/14/09	WG	Temperature	19.42	deg C	CAMO-09-9568
R-42	8591	931.8	05/11/09	WG	Temperature	19.94	deg C	CAMO-09-8209

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-42	8591	931.8	05/13/10	WG	Turbidity	1.42	NTU	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Turbidity	1.59	NTU	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Turbidity	1.59	NTU	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Turbidity	1.69	NTU	CAMO-10-3218
R-42	8591	931.8	05/11/09	WG	Turbidity	1.23	NTU	CAMO-09-8209
R-42	8591	931.8	02/20/09	WG	Turbidity	1.67	NTU	CAMO-09-2870
R-44	8671	895	05/04/10	WG	Dissolved Oxygen	3.33	mg/L	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Dissolved Oxygen	4.99	mg/L	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Dissolved Oxygen	5.75	mg/L	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Dissolved Oxygen	5.22	mg/L	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Dissolved Oxygen	6.1	mg/L	CAMO-09-11387
R-44	8671	895	05/04/10	WG	Oxidation Reduction Potential	46.3	mV	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Oxidation Reduction Potential	314.6	mV	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Oxidation Reduction Potential	142.2	mV	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Oxidation Reduction Potential	103.3	mV	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Oxidation Reduction Potential	96.8	mV	CAMO-09-11387
R-44	8671	895	05/04/10	WG	pH	7.36	SU	CAMO-10-16840
R-44	8671	895	02/10/10	WG	pH	7.67	SU	CAMO-10-9370
R-44	8671	895	11/13/09	WG	pH	7.47	SU	CAMO-10-3225
R-44	8671	895	08/17/09	WG	pH	7.42	SU	CAMO-09-9922
R-44	8671	895	07/14/09	WG	pH	7.53	SU	CAMO-09-11387
R-44	8671	895	05/04/10	WG	Specific Conductance	128	µS/cm	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Specific Conductance	139	µS/cm	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Specific Conductance	133	µS/cm	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Specific Conductance	128	µS/cm	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Specific Conductance	125	µS/cm	CAMO-09-11387
R-44	8671	895	05/04/10	WG	Temperature	21.64	deg C	CAMO-10-16840

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-44	8671	895	02/10/10	WG	Temperature	19.76	deg C	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Temperature	19.69	deg C	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Temperature	22.22	deg C	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Temperature	21.35	deg C	CAMO-09-11387
R-44	8671	895	05/04/10	WG	Turbidity	1.09	NTU	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Turbidity	1.41	NTU	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Turbidity	1.37	NTU	CAMO-10-3225
R-44	8671	895	08/17/09	WG	Turbidity	5	NTU	CAMO-09-9922
R-44	8671	895	07/14/09	WG	Turbidity	489	NTU	CAMO-09-11387
R-44	8681	985.3	05/04/10	WG	Dissolved Oxygen	5.64	mg/L	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Dissolved Oxygen	5.73	mg/L	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Dissolved Oxygen	5.3	mg/L	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Dissolved Oxygen	5.35	mg/L	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Dissolved Oxygen	7.25	mg/L	CAMO-09-11395
R-44	8681	985.3	05/04/10	WG	Oxidation Reduction Potential	57.1	mV	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Oxidation Reduction Potential	26.01	mV	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Oxidation Reduction Potential	140	mV	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Oxidation Reduction Potential	93	mV	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Oxidation Reduction Potential	104.7	mV	CAMO-09-11395
R-44	8681	985.3	05/04/10	WG	pH	7.47	SU	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	pH	7.84	SU	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	pH	7.63	SU	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	pH	7.38	SU	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	pH	7.82	SU	CAMO-09-11395
R-44	8681	985.3	05/04/10	WG	Specific Conductance	136	μS/cm	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Specific Conductance	151	μS/cm	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Specific Conductance	138	μS/cm	CAMO-10-3228

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	05/04/10	WG	Temperature	20.85	deg C	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Temperature	19.56	deg C	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Temperature	19.64	deg C	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Temperature	22.58	deg C	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Temperature	21.74	deg C	CAMO-09-11395
R-44	8681	985.3	05/04/10	WG	Turbidity	0.28	NTU	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Turbidity	0.74	NTU	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Turbidity	0.76	NTU	CAMO-10-3228
R-44	8681	985.3	08/17/09	WG	Turbidity	4.47	NTU	CAMO-09-9927
R-44	8681	985.3	07/14/09	WG	Turbidity	4.81	NTU	CAMO-09-11395
R-45	8721	880	05/13/10	WG	Dissolved Oxygen	5.8	mg/L	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Dissolved Oxygen	6.02	mg/L	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Dissolved Oxygen	5.95	mg/L	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Dissolved Oxygen	4.14	mg/L	CAMO-09-11401
R-45	8721	880	02/28/09	WG	Dissolved Oxygen	8.72	mg/L	CAMO-09-4583
R-45	8721	880	05/13/10	WG	Oxidation Reduction Potential	26.2	mV	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Oxidation Reduction Potential	82.3	mV	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Oxidation Reduction Potential	130.1	mV	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Oxidation Reduction Potential	120.6	mV	CAMO-09-11401
R-45	8721	880	02/28/09	WG	Oxidation Reduction Potential	155.4	mV	CAMO-09-4583
R-45	8721	880	05/13/10	WG	pH	7.48	SU	CAMO-10-16825
R-45	8721	880	11/16/09	WG	pH	7.67	SU	CAMO-10-3231
R-45	8721	880	08/19/09	WG	pH	7.61	SU	CAMO-09-10254
R-45	8721	880	07/16/09	WG	pH	7.62	SU	CAMO-09-11401
R-45	8721	880	05/13/10	WG	Specific Conductance	169	µS/cm	CAMO-10-16825

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8721	880	11/16/09	WG	Specific Conductance	171	µS/cm	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Specific Conductance	170	µS/cm	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Specific Conductance	175	µS/cm	CAMO-09-11401
R-45	8721	880	05/13/10	WG	Temperature	20.23	deg C	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Temperature	19.45	deg C	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Temperature	22.9	deg C	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Temperature	22.91	deg C	CAMO-09-11401
R-45	8721	880	02/28/09	WG	Temperature	16.93	deg C	CAMO-09-4583
R-45	8721	880	05/13/10	WG	Turbidity	0.41	NTU	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Turbidity	0.68	NTU	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Turbidity	1.23	NTU	CAMO-09-10254
R-45	8721	880	07/16/09	WG	Turbidity	2.83	NTU	CAMO-09-11401
R-45	8721	880	02/28/09	WG	Turbidity	4.2	NTU	CAMO-09-4583
R-45	8731	974.9	05/14/10	WG	Dissolved Oxygen	6.22	mg/L	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Dissolved Oxygen	5.55	mg/L	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Dissolved Oxygen	5.84	mg/L	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Dissolved Oxygen	5.43	mg/L	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Dissolved Oxygen	4.27	mg/L	CAMO-09-11412
R-45	8731	974.9	05/14/10	WG	Oxidation Reduction Potential	20	mV	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Oxidation Reduction Potential	98.3	mV	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Oxidation Reduction Potential	67.6	mV	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Oxidation Reduction Potential	128.6	mV	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Oxidation Reduction Potential	157.3	mV	CAMO-09-11412
R-45	8731	974.9	05/14/10	WG	pH	7.82	SU	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	pH	7.51	SU	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	pH	8.11	SU	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	pH	7.88	SU	CAMO-09-10256

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-45	8731	974.9	05/14/10	WG	Specific Conductance	162	µS/cm	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Specific Conductance	162	µS/cm	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Specific Conductance	177	µS/cm	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Specific Conductance	173	uS/cm	CAMO-09-10256
R-45	8731	974.9	05/14/10	WG	Temperature	21.25	deg C	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Temperature	19.56	deg C	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Temperature	17.77	deg C	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Temperature	22.23	deg C	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Temperature	22.3	deg C	CAMO-09-11412
R-45	8731	974.9	05/14/10	WG	Turbidity	0.58	NTU	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Turbidity	0.63	NTU	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Turbidity	0.62	NTU	CAMO-10-3234
R-45	8731	974.9	08/19/09	WG	Turbidity	1.03	NTU	CAMO-09-10256
R-45	8731	974.9	07/16/09	WG	Turbidity	4.93	NTU	CAMO-09-11412
R-46	8741	1340	05/07/10	WG	Dissolved Oxygen	5.01	mg/L	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Dissolved Oxygen	5.81	mg/L	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Dissolved Oxygen	6.76	mg/L	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Dissolved Oxygen	6.5	mg/L	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Dissolved Oxygen	6.45	mg/L	CAMO-09-10498
R-46	8741	1340	05/07/10	WG	Oxidation Reduction Potential	25.2	mV	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Oxidation Reduction Potential	48.6	mV	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Oxidation Reduction Potential	65.7	mV	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Oxidation Reduction Potential	43.7	mV	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Oxidation Reduction Potential	110.8	mV	CAMO-09-10498
R-46	8741	1340	05/07/10	WG	pH	7.51	SU	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	pH	7.76	SU	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	pH	7.66	SU	CAMO-10-3236

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
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	05/07/10	WG	Specific Conductance	117	µS/cm	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Specific Conductance	123	µS/cm	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Specific Conductance	115	µS/cm	CAMO-10-3236
R-46	8741	1340	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	05/07/10	WG	Temperature	20.99	deg C	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Temperature	17.44	deg C	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Temperature	20.58	deg C	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Temperature	22.1	deg C	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Temperature	21.97	deg C	CAMO-09-10498
R-46	8741	1340	05/07/10	WG	Turbidity	0.9	NTU	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Turbidity	2.07	NTU	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Turbidity	1.3	NTU	CAMO-10-3236
R-46	8741	1340	08/10/09	WG	Turbidity	3.01	NTU	CAMO-09-10260
R-46	8741	1340	06/17/09	WG	Turbidity	3.96	NTU	CAMO-09-10498
R-50	9021	1077	05/27/10	WG	Dissolved Oxygen	4.26	mg/L	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Dissolved Oxygen	5.78	mg/L	CAMO-10-13852
R-50	9021	1077	05/27/10	WG	Oxidation Reduction Potential	186.5	mV	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Oxidation Reduction Potential	278.2	mV	CAMO-10-13852
R-50	9021	1077	05/27/10	WG	pH	7.58	SU	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	pH	7.85	SU	CAMO-10-13852
R-50	9021	1077	05/27/10	WG	Specific Conductance	166	µS/cm	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Specific Conductance	174	µS/cm	CAMO-10-13852
R-50	9021	1077	05/27/10	WG	Temperature	21.67	deg C	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Temperature	20.74	deg C	CAMO-10-13852

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
R-50	9021	1077	05/27/10	WG	Turbidity	3.23	NTU	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Turbidity	2.02	NTU	CAMO-10-13852
R-50	9011	1185	05/27/10	WG	Dissolved Oxygen	7.57	mg/L	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Dissolved Oxygen	9.29	mg/L	CAMO-10-13924
R-50	9011	1185	05/27/10	WG	Oxidation Reduction Potential	116	mV	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Oxidation Reduction Potential	289.1	mV	CAMO-10-13924
R-50	9011	1185	05/27/10	WG	pH	7.61	SU	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	pH	7.45	SU	CAMO-10-13924
R-50	9011	1185	05/27/10	WG	Specific Conductance	165	µS/cm	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Specific Conductance	175	µS/cm	CAMO-10-13924
R-50	9011	1185	05/27/10	WG	Temperature	22.47	deg C	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Temperature	13.78	deg C	CAMO-10-13924
R-50	9011	1185	05/27/10	WG	Turbidity	17.8	NTU	CAMO-10-18979
TS-1W	— ^g	—	05/03/10	WS ^f	Dissolved Oxygen	5.42	mg/L	CAMO-10-16710
TS-1W	—	—	08/18/08	WS	Dissolved Oxygen	2.97	mg/L	CAMO-08-14427
TS-1W	—	—	10/25/06	WS	Dissolved Oxygen	253	mg/L	FU06090PW1ST01
TS-1W	—	—	09/20/05	WS	Dissolved Oxygen	0.42	mg/L	FU0509PW1ST01
TS-1W	—	—	05/03/10	WS	pH	6.71	SU	CAMO-10-16710
TS-1W	—	—	08/18/08	WS	pH	6.3	SU	CAMO-08-14427
TS-1W	—	—	10/25/06	WS	pH	6.83	SU	FU06090PW1ST01
TS-1W	—	—	09/20/05	WS	pH	7.08	SU	FU0509PW1ST01
TS-1W	—	—	05/03/10	WS	Specific Conductance	198	µS/cm	CAMO-10-16710
TS-1W	—	—	08/18/08	WS	Specific Conductance	271	µS/cm	CAMO-08-14427
TS-1W	—	—	10/25/06	WS	Specific Conductance	228	µS/cm	FU06090PW1ST01
TS-1W	—	—	09/20/05	WS	Specific Conductance	346	µS/cm	FU0509PW1ST01
TS-1W	—	—	05/03/10	WS	Temperature	7.56	deg C	CAMO-10-16710
TS-1W	—	—	08/18/08	WS	Temperature	17.8	deg C	CAMO-08-14427

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Units	Sample
TS-1W	—	—	10/25/06	WS	Temperature	6.3	deg C	FU06090PW1ST01
TS-1W	—	—	09/20/05	WS	Temperature	13.7	deg C	FU0509PW1ST01
TS-1W	—	—	05/03/10	WS	Turbidity	12.1	NTU	CAMO-10-16710
TS-1W	—	—	08/18/08	WS	Turbidity	54	NTU	CAMO-08-14427
TS-1W	—	—	10/25/06	WS	Turbidity	1.61	NTU	FU06090PW1ST01
TS-1W	—	—	09/20/05	WS	Turbidity	34	NTU	FU0509PW1ST01

^a WG = Groundwater.

^b mV = Millivolt.

^c SU = Standard unit.

^d μ S/cm = Microsiemens per centimeter.

^e NTU = Nephelometric turbidity unit.

^f WS = Surface water.

^g — = Not applicable.

**Table A-2
Sandia Field Parameter Results and Results from the Four Previous Monitoring Events if Available**

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
Middle Sandia Canyon at terminus of persistent baseflow	— ^a	—	05/05/10	WS ^b	Dissolved Oxygen	—	8.66	mg/L	CASA-10-16695
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	Dissolved Oxygen	—	14.01	mg/L	CASA-10-3599
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	Dissolved Oxygen	—	8.06	mg/L	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	Dissolved Oxygen	—	8.93	mg/L	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	Dissolved Oxygen	—	12.6	mg/L	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	pH	—	8.54	SU ^c	CASA-10-16695
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	pH	—	7.87	SU	CASA-10-3599
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	pH	—	8.06	SU	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	pH	—	8.57	SU	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	Specific Conductance	—	619	μS/cm ^d	CASA-10-16695
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	Specific Conductance	—	627	μS/cm	CASA-10-3599
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	Specific Conductance	—	527	μS/cm	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	Specific Conductance	—	628	μS/cm	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	Temperature	—	21.26	deg C	CASA-10-16695
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	Temperature	—	1.39	deg C	CASA-10-3599

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	Temperature	—	15.04	deg C	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	Temperature	—	19.38	deg C	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	Temperature	—	0.76	deg C	CASA-09-2746
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	Turbidity	—	3.75	NTU ^e	CASA-10-16695
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	Turbidity	—	2.62	NTU	CASA-10-3599
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	Turbidity	—	3.24	NTU	CASA-09-10310
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	Turbidity	—	3.32	NTU	CASA-09-8239
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	Turbidity	—	6.89	NTU	CASA-09-2746
R-10	6381	874	05/05/10	WG ^f	Dissolved Oxygen	—	5.38	mg/L	CASA-10-16767
R-10	6381	874	02/09/10	WG	Dissolved Oxygen	—	5.48	mg/L	CASA-10-9475
R-10	6381	874	11/10/09	WG	Dissolved Oxygen	—	5.54	mg/L	CASA-10-3704
R-10	6381	874	09/23/09	WG	Dissolved Oxygen	—	5.12	mg/L	CASA-09-12923
R-10	6381	874	02/12/09	WG	Dissolved Oxygen	—	2.06	mg/L	CASA-09-2786
R-10	6381	874	05/05/10	WG	Oxidation Reduction Potential	—	175.5	mV ^g	CASA-10-16767
R-10	6381	874	02/09/10	WG	Oxidation Reduction Potential	—	153.1	mV	CASA-10-9475
R-10	6381	874	11/10/09	WG	Oxidation Reduction Potential	—	82.9	mV	CASA-10-3704
R-10	6381	874	09/23/09	WG	Oxidation Reduction Potential	—	85.7	mV	CASA-09-12923

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-10	6381	874	02/12/09	WG	Oxidation Reduction Potential	—	92.1	mV	CASA-09-2786
R-10	6381	874	05/05/10	WG	pH	—	8.11	SU	CASA-10-16767
R-10	6381	874	02/09/10	WG	pH	—	7.98	SU	CASA-10-9475
R-10	6381	874	11/10/09	WG	pH	—	7.88	SU	CASA-10-3704
R-10	6381	874	09/23/09	WG	pH	—	8	SU	CASA-09-12923
R-10	6381	874	02/12/09	WG	pH	—	7.7	SU	CASA-09-2786
R-10	6381	874	05/05/10	WG	Specific Conductance	—	171	µS/cm	CASA-10-16767
R-10	6381	874	02/09/10	WG	Specific Conductance	—	174	µS/cm	CASA-10-9475
R-10	6381	874	11/10/09	WG	Specific Conductance	—	194	µS/cm	CASA-10-3704
R-10	6381	874	09/23/09	WG	Specific Conductance	—	192	µS/cm	CASA-09-12923
R-10	6381	874	02/12/09	WG	Specific Conductance	—	185	µS/cm	CASA-09-2786
R-10	6381	874	05/05/10	WG	Temperature	—	24.33	deg C	CASA-10-16767
R-10	6381	874	02/09/10	WG	Temperature	—	21	deg C	CASA-10-9475
R-10	6381	874	11/10/09	WG	Temperature	—	23.18	deg C	CASA-10-3704
R-10	6381	874	09/23/09	WG	Temperature	—	23.48	deg C	CASA-09-12923
R-10	6381	874	02/12/09	WG	Temperature	—	23.04	deg C	CASA-09-2786
R-10	6381	874	05/05/10	WG	Turbidity	—	0.82	NTU ^g	CASA-10-16767
R-10	6381	874	02/09/10	WG	Turbidity	—	0.5	NTU	CASA-10-9475
R-10	6381	874	11/10/09	WG	Turbidity	—	0.51	NTU	CASA-10-3704
R-10	6381	874	09/23/09	WG	Turbidity	—	2.5	NTU	CASA-09-12923
R-10	6381	874	02/12/09	WG	Turbidity	—	1.03	NTU	CASA-09-2786
R-10	6391	1042	05/05/10	WG	Dissolved Oxygen	—	5.42	mg/L	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Dissolved Oxygen	—	5.54	mg/L	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Dissolved Oxygen	—	4.67	mg/L	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Dissolved Oxygen	—	3.85	mg/L	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Dissolved Oxygen	—	5.97	mg/L	CASA-09-8270

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-10	6391	1042	05/05/10	WG	Oxidation Reduction Potential	—	161.9	mV	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Oxidation Reduction Potential	—	119	mV	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Oxidation Reduction Potential	—	89.9	mV	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Oxidation Reduction Potential	—	99.9	mV	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Oxidation Reduction Potential	—	151.2	mV	CASA-09-8270
R-10	6391	1042	05/05/10	WG	pH	—	8.03	SU	CASA-10-16771
R-10	6391	1042	02/09/10	WG	pH	—	8.02	SU	CASA-10-9479
R-10	6391	1042	11/10/09	WG	pH	—	7.92	SU	CASA-10-3707
R-10	6391	1042	09/23/09	WG	pH	—	8.03	SU	CASA-09-12927
R-10	6391	1042	05/12/09	WG	pH	—	8.05	SU	CASA-09-8270
R-10	6391	1042	05/05/10	WG	Specific Conductance	—	184	µS/cm	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Specific Conductance	—	186	µS/cm	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Specific Conductance	—	195	µS/cm	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Specific Conductance	—	208	µS/cm	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Specific Conductance	—	213	µS/cm	CASA-09-8270
R-10	6391	1042	05/05/10	WG	Temperature	—	24.52	deg C	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Temperature	—	23.81	deg C	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Temperature	—	22.88	deg C	CASA-10-3707
R-10	6391	1042	09/23/09	WG	Temperature	—	24.84	deg C	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Temperature	—	25.47	deg C	CASA-09-8270
R-10	6391	1042	05/05/10	WG	Turbidity	—	0.78	NTU	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Turbidity	—	0.41	NTU	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Turbidity	—	2.81	NTU	CASA-10-3707

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-10	6391	1042	09/23/09	WG	Turbidity	—	3.8	NTU	CASA-09-12927
R-10	6391	1042	05/12/09	WG	Turbidity	—	1.11	NTU	CASA-09-8270
R-10a	6371	690	05/05/10	WG	Dissolved Oxygen	—	6.18	mg/L	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Dissolved Oxygen	—	5	mg/L	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Dissolved Oxygen	—	5.49	mg/L	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Dissolved Oxygen	—	4.75	mg/L	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Dissolved Oxygen	—	6.08	mg/L	CASA-09-8272
R-10a	6371	690	05/05/10	WG	Oxidation Reduction Potential	—	78.6	mV	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Oxidation Reduction Potential	—	266.3	mV	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Oxidation Reduction Potential	—	194.9	mV	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Oxidation Reduction Potential	—	425.9	mV	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Oxidation Reduction Potential	—	327	mV	CASA-09-8272
R-10a	6371	690	05/05/10	WG	pH	—	7.65	SU	CASA-10-16773
R-10a	6371	690	02/09/10	WG	pH	—	7.88	SU	CASA-10-9456
R-10a	6371	690	11/10/09	WG	pH	—	7.79	SU	CASA-10-3710
R-10a	6371	690	08/12/09	WG	pH	—	7.65	SU	CASA-09-10359
R-10a	6371	690	05/12/09	WG	pH	—	7.73	SU	CASA-09-8272
R-10a	6371	690	05/05/10	WG	Specific Conductance	—	232	µS/cm	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Specific Conductance	—	231	µS/cm	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Specific Conductance	—	235	µS/cm	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Specific Conductance	—	224	µS/cm	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Specific Conductance	—	263	µS/cm	CASA-09-8272
R-10a	6371	690	05/05/10	WG	Temperature	—	22	deg C	CASA-10-16773

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-10a	6371	690	02/09/10	WG	Temperature	—	19.55	deg C	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Temperature	—	20.61	deg C	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Temperature	—	22.3	deg C	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Temperature	—	21.5	deg C	CASA-09-8272
R-10a	6371	690	05/05/10	WG	Turbidity	—	0.21	NTU	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Turbidity	—	0.53	NTU	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Turbidity	—	0.74	NTU	CASA-10-3710
R-10a	6371	690	08/12/09	WG	Turbidity	—	0.79	NTU	CASA-09-10359
R-10a	6371	690	05/12/09	WG	Turbidity	—	0.85	NTU	CASA-09-8272
R-11	5531	855	05/05/10	WG	Dissolved Oxygen	—	6.03	mg/L	CASA-10-16778
R-11	5531	855	01/29/10	WG	Dissolved Oxygen	—	6.08	mg/L	CASA-10-9459
R-11	5531	855	11/18/09	WG	Dissolved Oxygen	—	5.97	mg/L	CASA-10-3714
R-11	5531	855	08/10/09	WG	Dissolved Oxygen	—	4.81	mg/L	CASA-09-10366
R-11	5531	855	04/29/09	WG	Dissolved Oxygen	—	6.11	mg/L	CASA-09-8274
R-11	5531	855	05/05/10	WG	Oxidation Reduction Potential	—	64.4	mV	CASA-10-16778
R-11	5531	855	01/29/10	WG	Oxidation Reduction Potential	—	311.7	mV	CASA-10-9459
R-11	5531	855	11/18/09	WG	Oxidation Reduction Potential	—	134.6	mV	CASA-10-3714
R-11	5531	855	08/10/09	WG	Oxidation Reduction Potential	—	162.3	mV	CASA-09-10366
R-11	5531	855	04/29/09	WG	Oxidation Reduction Potential	—	137	mV	CASA-09-8274
R-11	5531	855	05/05/10	WG	pH	—	7.73	SU	CASA-10-16778
R-11	5531	855	01/29/10	WG	pH	—	7.6	SU	CASA-10-9459
R-11	5531	855	11/18/09	WG	pH	—	7.59	SU	CASA-10-3714
R-11	5531	855	08/10/09	WG	pH	—	7.89	SU	CASA-09-10366

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-11	5531	855	04/29/09	WG	pH	—	7.95	SU	CASA-09-8274
R-11	5531	855	05/05/10	WG	Specific Conductance	—	215	µS/cm	CASA-10-16778
R-11	5531	855	01/29/10	WG	Specific Conductance	—	199	µS/cm	CASA-10-9459
R-11	5531	855	11/18/09	WG	Specific Conductance	—	218	µS/cm	CASA-10-3714
R-11	5531	855	08/10/09	WG	Specific Conductance	—	226	µS/cm	CASA-09-10366
R-11	5531	855	04/29/09	WG	Specific Conductance	—	237	µS/cm	CASA-09-8274
R-11	5531	855	05/05/10	WG	Temperature	—	22.54	deg C	CASA-10-16778
R-11	5531	855	01/29/10	WG	Temperature	—	20.92	deg C	CASA-10-9459
R-11	5531	855	11/18/09	WG	Temperature	—	21.67	deg C	CASA-10-3714
R-11	5531	855	08/10/09	WG	Temperature	—	22.62	deg C	CASA-09-10366
R-11	5531	855	04/29/09	WG	Temperature	—	23.3	deg C	CASA-09-8274
R-11	5531	855	05/05/10	WG	Turbidity	—	0.42	NTU	CASA-10-16778
R-11	5531	855	01/29/10	WG	Turbidity	—	0.21	NTU	CASA-10-9459
R-11	5531	855	11/18/09	WG	Turbidity	—	0.16	NTU	CASA-10-3714
R-11	5531	855	08/10/09	WG	Turbidity	—	0.45	NTU	CASA-09-10366
R-11	5531	855	04/29/09	WG	Turbidity	—	0.47	NTU	CASA-09-8274
R-12	8401	459	05/05/10	WG	Dissolved Oxygen	—	0.23	mg/L	CASA-10-16747
R-12	8401	459	02/09/10	WG	Dissolved Oxygen	—	0.17	mg/L	CASA-10-9446
R-12	8401	459	11/12/09	WG	Dissolved Oxygen	—	0.8	mg/L	CASA-10-3822
R-12	8401	459	08/05/09	WG	Dissolved Oxygen	—	1.11	mg/L	CASA-09-10380
R-12	8401	459	05/07/09	WG	Dissolved Oxygen	—	1.5	mg/L	CASA-09-8276
R-12	8401	459	05/05/10	WG	Oxidation Reduction Potential	—	-145.9	mV	CASA-10-16747
R-12	8401	459	02/09/10	WG	Oxidation Reduction Potential	—	-25.4	mV	CASA-10-9446

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-12	8401	459	11/12/09	WG	Oxidation Reduction Potential	—	-167.8	mV	CASA-10-3822
R-12	8401	459	08/05/09	WG	Oxidation Reduction Potential	—	-219.2	mV	CASA-09-10380
R-12	8401	459	05/07/09	WG	Oxidation Reduction Potential	—	-190.6	mV	CASA-09-8276
R-12	8401	459	05/05/10	WG	pH	—	7.97	SU	CASA-10-16747
R-12	8401	459	02/09/10	WG	pH	—	7.94	SU	CASA-10-9446
R-12	8401	459	11/12/09	WG	pH	—	7.85	SU	CASA-10-3822
R-12	8401	459	08/05/09	WG	pH	—	8.17	SU	CASA-09-10380
R-12	8401	459	05/07/09	WG	pH	—	7.88	SU	CASA-09-8276
R-12	8401	459	05/05/10	WG	Specific Conductance	—	244	µS/cm	CASA-10-16747
R-12	8401	459	02/09/10	WG	Specific Conductance	—	220	µS/cm	CASA-10-9446
R-12	8401	459	11/12/09	WG	Specific Conductance	—	225	µS/cm	CASA-10-3822
R-12	8401	459	08/05/09	WG	Specific Conductance	—	208	µS/cm	CASA-09-10380
R-12	8401	459	05/07/09	WG	Specific Conductance	—	220	µS/cm	CASA-09-8276
R-12	8401	459	05/05/10	WG	Temperature	—	18.07	deg C	CASA-10-16747
R-12	8401	459	02/09/10	WG	Temperature	—	17.18	deg C	CASA-10-9446
R-12	8401	459	11/12/09	WG	Temperature	—	17.88	deg C	CASA-10-3822
R-12	8401	459	08/05/09	WG	Temperature	—	18.24	deg C	CASA-09-10380
R-12	8401	459	05/07/09	WG	Temperature	—	18.19	deg C	CASA-09-8276
R-12	8401	459	05/05/10	WG	Turbidity	—	0.57	NTU	CASA-10-16747
R-12	8401	459	02/09/10	WG	Turbidity	—	1.2	NTU	CASA-10-9446
R-12	8401	459	11/12/09	WG	Turbidity	—	1.19	NTU	CASA-10-3822
R-12	8401	459	08/05/09	WG	Turbidity	—	0.56	NTU	CASA-09-10380
R-12	8401	459	05/07/09	WG	Turbidity	—	0.91	NTU	CASA-09-8276
R-12	8411	504.5	05/17/10	WG	Dissolved Oxygen	—	2.79	mg/L	CASA-10-16749

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-12	8411	504.5	02/09/10	WG	Dissolved Oxygen	—	3.01	mg/L	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Dissolved Oxygen	—	3.38	mg/L	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Dissolved Oxygen	—	3.27	mg/L	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Dissolved Oxygen	—	4.94	mg/L	CASA-09-8279
R-12	8411	504.5	05/17/10	WG	Oxidation Reduction Potential	—	354.3	mV	CASA-10-16749
R-12	8411	504.5	02/09/10	WG	Oxidation Reduction Potential	—	77.8	mV	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Oxidation Reduction Potential	—	-66.7	mV	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Oxidation Reduction Potential	—	-52.6	mV	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Oxidation Reduction Potential	—	15.7	mV	CASA-09-8279
R-12	8411	504.5	05/17/10	WG	pH	—	8.13	SU	CASA-10-16749
R-12	8411	504.5	02/09/10	WG	pH	—	8.05	SU	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	pH	—	8.07	SU	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	pH	—	8.28	SU	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	pH	—	8.14	SU	CASA-09-8279
R-12	8411	504.5	05/17/10	WG	Specific Conductance	—	164	µS/cm	CASA-10-16749
R-12	8411	504.5	02/09/10	WG	Specific Conductance	—	167	µS/cm	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Specific Conductance	—	174	µS/cm	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Specific Conductance	—	184	µS/cm	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Specific Conductance	—	177	µS/cm	CASA-09-8279
R-12	8411	504.5	05/17/10	WG	Temperature	—	20.63	deg C	CASA-10-16749
R-12	8411	504.5	02/09/10	WG	Temperature	—	18.77	deg C	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Temperature	—	19.68	deg C	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Temperature	—	22.98	deg C	CASA-09-10383

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-12	8411	504.5	04/29/09	WG	Temperature	—	20.9	deg C	CASA-09-8279
R-12	8411	504.5	05/17/10	WG	Turbidity	—	0.63	NTU	CASA-10-16749
R-12	8411	504.5	02/09/10	WG	Turbidity	—	0.88	NTU	CASA-10-9447
R-12	8411	504.5	11/12/09	WG	Turbidity	—	1.32	NTU	CASA-10-3825
R-12	8411	504.5	08/05/09	WG	Turbidity	—	0.51	NTU	CASA-09-10383
R-12	8411	504.5	04/29/09	WG	Turbidity	—	0.4	NTU	CASA-09-8279
R-35a	8331	1013.1	05/14/10	WG	Dissolved Oxygen	—	4.87	mg/L	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Dissolved Oxygen	—	6.23	mg/L	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Dissolved Oxygen	—	4.69	mg/L	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Dissolved Oxygen	—	4.58	mg/L	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Dissolved Oxygen	—	3.92	mg/L	CASA-09-8305
R-35a	8331	1013.1	05/14/10	WG	Oxidation Reduction Potential	—	274.6	mV	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Oxidation Reduction Potential	—	223.6	mV	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Oxidation Reduction Potential	—	154.8	mV	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Oxidation Reduction Potential	—	149.1	mV	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Oxidation Reduction Potential	—	295.6	mV	CASA-09-8305
R-35a	8331	1013.1	05/14/10	WG	pH	—	7.6	SU	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	pH	—	7.57	SU	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	pH	—	7.56	SU	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	pH	—	7.44	SU	CASA-09-10387
R-35a	8331	1013.1	05/14/10	WG	Specific Conductance	—	233	µS/cm	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Specific Conductance	—	242	µS/cm	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Specific Conductance	—	253	µS/cm	CASA-10-3827

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-35a	8331	1013.1	08/03/09	WG	Specific Conductance	—	275	µS/cm	CASA-09-10387
R-35a	8331	1013.1	05/14/10	WG	Temperature	—	22.4	deg C	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Temperature	—	20.81	deg C	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Temperature	—	22.68	deg C	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Temperature	—	23.4	deg C	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Temperature	—	22.75	deg C	CASA-09-8305
R-35a	8331	1013.1	05/14/10	WG	Turbidity	—	0.84	NTU	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Turbidity	—	1.44	NTU	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Turbidity	—	1.23	NTU	CASA-10-3827
R-35a	8331	1013.1	08/03/09	WG	Turbidity	—	2.01	NTU	CASA-09-10387
R-35a	8331	1013.1	04/28/09	WG	Turbidity	—	1.01	NTU	CASA-09-8305
R-35b	8351	825.4	05/12/10	WG	Dissolved Oxygen	—	5.94	mg/L	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Dissolved Oxygen	—	7.41	mg/L	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Dissolved Oxygen	—	6.17	mg/L	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Dissolved Oxygen	—	5.83	mg/L	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Dissolved Oxygen	—	6.59	mg/L	CASA-09-8309
R-35b	8351	825.4	05/12/10	WG	Oxidation Reduction Potential	—	384.5	mV	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Oxidation Reduction Potential	—	261.7	mV	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Oxidation Reduction Potential	—	220.6	mV	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Oxidation Reduction Potential	—	437.5	mV	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Oxidation Reduction Potential	—	294.1	mV	CASA-09-8309
R-35b	8351	825.4	05/12/10	WG	pH	—	7.59	SU	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	pH	—	7.5	SU	CASA-10-9469

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-35b	8351	825.4	11/03/09	WG	pH	—	7.53	SU	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	pH	—	7.3	SU	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	pH	—	7.54	SU	CASA-09-8309
R-35b	8351	825.4	05/12/10	WG	Specific Conductance	—	153	µS/cm	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Specific Conductance	—	169	µS/cm	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Specific Conductance	—	179	µS/cm	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Specific Conductance	—	175	µS/cm	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Specific Conductance	—	163	µS/cm	CASA-09-8309
R-35b	8351	825.4	05/12/10	WG	Temperature	—	20.31	deg C	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Temperature	—	17.73	deg C	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Temperature	—	21.8	deg C	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Temperature	—	22.74	deg C	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Temperature	—	22.05	deg C	CASA-09-8309
R-35b	8351	825.4	05/12/10	WG	Turbidity	—	1.55	NTU	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Turbidity	—	1.08	NTU	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Turbidity	—	1.19	NTU	CASA-10-3830
R-35b	8351	825.4	08/04/09	WG	Turbidity	—	2.68	NTU	CASA-09-10392
R-35b	8351	825.4	04/27/09	WG	Turbidity	—	0.79	NTU	CASA-09-8309
R-36	8431	766.9	05/12/10	WG	Dissolved Oxygen	—	5.03	mg/L	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Dissolved Oxygen	—	4.85	mg/L	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Dissolved Oxygen	—	5.29	mg/L	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Dissolved Oxygen	—	5.05	mg/L	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Dissolved Oxygen	—	5.58	mg/L	CASA-09-8311
R-36	8431	766.9	05/12/10	WG	Oxidation Reduction Potential	—	767.8	mV	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Oxidation Reduction Potential	—	206.4	mV	CASA-10-9493

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
R-36	8431	766.9	11/04/09	WG	Oxidation Reduction Potential	—	155.4	mV	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Oxidation Reduction Potential	—	376	mV	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Oxidation Reduction Potential	—	169.4	mV	CASA-09-8311
R-36	8431	766.9	05/12/10	WG	pH	—	7.22	SU	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	pH	—	7.27	SU	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	pH	—	7.12	SU	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	pH	—	7.2	SU	CASA-09-10376
R-36	8431	766.9	05/12/10	WG	Specific Conductance	—	176	µS/cm	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Specific Conductance	—	198	µS/cm	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Specific Conductance	—	200	µS/cm	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Specific Conductance	—	201	µS/cm	CASA-09-10376
R-36	8431	766.9	05/12/10	WG	Temperature	—	20.72	deg C	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Temperature	—	19.02	deg C	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Temperature	—	20.8	deg C	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Temperature	—	21.78	deg C	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Temperature	—	21.31	deg C	CASA-09-8311
R-36	8431	766.9	05/12/10	WG	Turbidity	—	1.75	NTU	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Turbidity	—	1.85	NTU	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Turbidity	—	0.73	NTU	CASA-10-3834
R-36	8431	766.9	08/05/09	WG	Turbidity	—	2.24	NTU	CASA-09-10376
R-36	8431	766.9	04/28/09	WG	Turbidity	—	1.1	NTU	CASA-09-8311
R-43	8651	903.9	05/10/10	WG	Dissolved Oxygen	—	6.09	mg/L	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Dissolved Oxygen	—	6.21	mg/L	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Dissolved Oxygen	—	5.59	mg/L	CASA-10-3858

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
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	05/10/10	WG	Oxidation Reduction Potential	—	150.2	mV	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Oxidation Reduction Potential	—	99.3	mV	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Oxidation Reduction Potential	—	115.3	mV	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Oxidation Reduction Potential	—	125.6	mV	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Oxidation Reduction Potential	—	156	mV	CASA-09-1018
R-43	8651	903.9	05/10/10	WG	pH	—	7.84	SU	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	pH	—	8.06	SU	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	pH	—	7.96	SU	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	pH	—	7.88	SU	CASA-09-10397
R-43	8651	903.9	05/10/10	WG	Specific Conductance	—	173	µS/cm	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Specific Conductance	—	165	µS/cm	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Specific Conductance	—	177	µS/cm	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Specific Conductance	—	159	µS/cm	CASA-09-10397
R-43	8651	903.9	05/10/10	WG	Temperature	—	20.07	deg C	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Temperature	—	19.77	deg C	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Temperature	—	19.35	deg C	CASA-10-3858
R-43	8651	903.9	08/18/09	WG	Temperature	—	21.41	deg C	CASA-09-10397
R-43	8651	903.9	11/05/08	WG	Temperature	—	18.5	deg C	CASA-09-1018
R-43	8651	903.9	05/10/10	WG	Turbidity	—	1.71	NTU	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Turbidity	—	0.61	NTU	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Turbidity	—	1.5	NTU	CASA-10-3858

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	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	8661	969.1	05/10/10	WG	Dissolved Oxygen	—	2.42	mg/L	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Dissolved Oxygen	—	2.09	mg/L	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Dissolved Oxygen	—	2.49	mg/L	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Dissolved Oxygen	—	3.33	mg/L	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Dissolved Oxygen	—	6.66	mg/L	CAMO-09-10508
R-43	8661	969.1	05/10/10	WG	Oxidation Reduction Potential	—	164.2	mV	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Oxidation Reduction Potential	—	78.1	mV	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Oxidation Reduction Potential	—	17.2	mV	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Oxidation Reduction Potential	—	93.9	mV	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Oxidation Reduction Potential	—	101.4	mV	CAMO-09-10508
R-43	8661	969.1	05/10/10	WG	pH	—	8.43	SU	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	pH	—	8.48	SU	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	pH	—	8.53	SU	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	pH	—	8.09	SU	CASA-09-10402
R-43	8661	969.1	05/10/10	WG	Specific Conductance	—	188	µS/cm	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Specific Conductance	—	164	µS/cm	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Specific Conductance	—	200	µS/cm	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Specific Conductance	—	167	µS/cm	CASA-09-10402
R-43	8661	969.1	05/10/10	WG	Temperature	—	19.13	deg C	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Temperature	—	18.71	deg C	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Temperature	—	19.06	deg C	CASA-10-3861

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
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	05/10/10	WG	Turbidity	—	4.27	NTU	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Turbidity	—	0.67	NTU	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Turbidity	—	1.68	NTU	CASA-10-3861
R-43	8661	969.1	08/18/09	WG	Turbidity	—	0.42	NTU	CASA-09-10402
R-43	8661	969.1	06/18/09	WG	Turbidity	—	2.15	NTU	CAMO-09-10508
Sandia below Wetlands	—	—	05/13/10	WS ^f	Dissolved Oxygen	—	8.1	mg/L	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Dissolved Oxygen	—	11.06	mg/L	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Dissolved Oxygen	—	9.37	mg/L	CASA-10-3595
Sandia below Wetlands	—	—	08/07/09	WS	Dissolved Oxygen	—	7	mg/L	CASA-09-10309
Sandia below Wetlands	—	—	05/05/09	WS	Dissolved Oxygen	—	7.35	mg/L	CASA-09-8234
Sandia below Wetlands	—	—	05/13/10	WS	pH	—	7.95	SU	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	pH	—	7.47	SU	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	pH	—	7.84	SU	CASA-10-3595
Sandia below Wetlands	—	—	08/07/09	WS	pH	—	7.91	SU	CASA-09-10309
Sandia below Wetlands	—	—	05/13/10	WS	Specific Conductance	—	467	µS/cm	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Specific Conductance	—	7645	µS/cm	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Specific Conductance	—	505	µS/cm	CASA-10-3595
Sandia below Wetlands	—	—	08/07/09	WS	Specific Conductance	—	480	µS/cm	CASA-09-10309
Sandia below Wetlands	—	—	05/13/10	WS	Temperature	—	4.52	deg C	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Temperature	—	6.63	deg C	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Temperature	—	10.05	deg C	CASA-10-3595
Sandia below Wetlands	—	—	08/07/09	WS	Temperature	—	18.44	deg C	CASA-09-10309
Sandia below Wetlands	—	—	05/05/09	WS	Temperature	—	19.43	deg C	CASA-09-8234
Sandia below Wetlands	—	—	05/13/10	WS	Turbidity	—	9.14	NTU	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Turbidity	—	14.9	NTU	CASA-10-9412

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
Sandia below Wetlands	—	—	11/04/09	WS	Turbidity	—	8.53	NTU	CASA-10-3595
Sandia below Wetlands	—	—	05/05/09	WS	Turbidity	—	7.09	NTU	CASA-09-8234
Sandia below Wetlands	—	—	02/09/09	WS	Turbidity	—	2.72	NTU	CASA-09-2743
Sandia right fork at Power Plant	—	—	05/07/10	WS	Dissolved Oxygen	—	7.28	mg/L	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Dissolved Oxygen	—	8.62	mg/L	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Dissolved Oxygen	—	9.4	mg/L	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Dissolved Oxygen	—	6.63	mg/L	CASA-09-10304
Sandia right fork at Power Plant	—	—	05/07/09	WS	Dissolved Oxygen	—	8.23	mg/L	CASA-09-8241
Sandia right fork at Power Plant	—	—	05/07/10	WS	Oxidation Reduction Potential	—	195.9	mV	CASA-10-16680
Sandia right fork at Power Plant	—	—	05/07/09	WS	Oxidation Reduction Potential	—	408	mV	CASA-09-8241
Sandia right fork at Power Plant	—	—	05/07/10	WS	pH	—	8.13	SU	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	pH	—	7.71	SU	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	pH	—	7.14	SU	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	pH	—	8.24	SU	CASA-09-10304
Sandia right fork at Power Plant	—	—	05/07/10	WS	Specific Conductance	—	468	µS/cm	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Specific Conductance	—	923	µS/cm	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Specific Conductance	—	507	µS/cm	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Specific Conductance	—	666	µS/cm	CASA-09-10304
Sandia right fork at Power Plant	—	—	05/07/09	WS	Specific Conductance	—	665	µS/cm	CASA-09-8241
Sandia right fork at Power Plant	—	—	05/07/10	WS	Temperature	—	17.39	deg C	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Temperature	—	10.83	deg C	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Temperature	—	15.46	deg C	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Temperature	—	22.73	deg C	CASA-09-10304
Sandia right fork at Power Plant	—	—	05/07/09	WS	Temperature	—	16.73	deg C	CASA-09-8241
Sandia right fork at Power Plant	—	—	05/07/10	WS	Turbidity	—	1.87	NTU	CASA-10-16680

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
Sandia right fork at Power Plant	—	—	02/01/10	WS	Turbidity	—	4.96	NTU	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Turbidity	—	1.61	NTU	CASA-10-3558
Sandia right fork at Power Plant	—	—	08/07/09	WS	Turbidity	—	1.58	NTU	CASA-09-10304
Sandia right fork at Power Plant	—	—	05/07/09	WS	Turbidity	—	3.36	NTU	CASA-09-8241
SCA-1-DP	8751	2.16	05/13/10	WG	Dissolved Oxygen	—	0.79	mg/L	CASA-10-16721
SCA-1-DP	8751	2.16	01/25/10	WG	Dissolved Oxygen	—	6.2	mg/L	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Dissolved Oxygen	—	3.91	mg/L	CASA-10-3620
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	05/13/10	WG	Oxidation Reduction Potential	—	42.4	mV	CASA-10-16721
SCA-1-DP	8751	2.16	01/25/10	WG	Oxidation Reduction Potential	—	-27.3	mV	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Oxidation Reduction Potential	—	382.4	mV	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Oxidation Reduction Potential	—	-221.6	mV	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Oxidation Reduction Potential	—	52	mV	CASA-09-8410
SCA-1-DP	8751	2.16	05/13/10	WG	pH	—	6.98	SU	CASA-10-16721
SCA-1-DP	8751	2.16	01/25/10	WG	pH	—	6.66	SU	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	pH	—	6.8	SU	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	pH	—	6.93	SU	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	pH	—	6.99	SU	CASA-09-8410
SCA-1-DP	8751	2.16	05/13/10	WG	Specific Conductance	—	555	µS/cm	CASA-10-16721
SCA-1-DP	8751	2.16	01/25/10	WG	Specific Conductance	—	1310	µS/cm	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Specific Conductance	—	549	µS/cm	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Specific Conductance	—	540	µS/cm	CASA-09-10335

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
SCA-1-DP	8751	2.16	04/29/09	WG	Specific Conductance	—	571	µS/cm	CASA-09-8410
SCA-1-DP	8751	2.16	05/13/10	WG	Temperature	—	11.48	deg C	CASA-10-16721
SCA-1-DP	8751	2.16	01/25/10	WG	Temperature	—	3.16	deg C	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Temperature	—	9.12	deg C	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Temperature	—	17.95	deg C	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Temperature	—	10.68	deg C	CASA-09-8410
SCA-1-DP	8751	2.16	05/13/10	WG	Turbidity	—	2.85	NTU	CASA-10-16721
SCA-1-DP	8751	2.16	01/25/10	WG	Turbidity	—	43.9	NTU	CASA-10-9423
SCA-1-DP	8751	2.16	11/02/09	WG	Turbidity	—	275	NTU	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Turbidity	—	21.2	NTU	CASA-09-10335
SCA-1-DP	8751	2.16	04/29/09	WG	Turbidity	—	9.22	NTU	CASA-09-8410
SCA-2	7991	10.3	05/12/10	WG	Dissolved Oxygen	—	8.37	mg/L	CASA-10-16725
SCA-2	7991	10.3	11/03/09	WG	Dissolved Oxygen	—	10.62	mg/L	CASA-10-3623
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	05/12/10	WG	Oxidation Reduction Potential	—	201.2	mV	CASA-10-16725
SCA-2	7991	10.3	11/03/09	WG	Oxidation Reduction Potential	—	436.9	mV	CASA-10-3623
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
SCA-2	7991	10.3	05/12/10	WG	pH	—	7.1	SU	CASA-10-16725
SCA-2	7991	10.3	11/03/09	WG	pH	—	7.44	SU	CASA-10-3623

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
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	05/12/10	WG	Specific Conductance	—	585	µS/cm	CASA-10-16725
SCA-2	7991	10.3	11/03/09	WG	Specific Conductance	—	596	µS/cm	CASA-10-3623
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	05/12/10	WG	Temperature	—	10.23	deg C	CASA-10-16725
SCA-2	7991	10.3	11/03/09	WG	Temperature	—	3.68	deg C	CASA-10-3623
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	05/12/10	WG	Turbidity	—	12.4	NTU	CASA-10-16725
SCA-2	7991	10.3	11/03/09	WG	Turbidity	—	6.5	NTU	CASA-10-3623
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-4	8011	37	05/10/10	WG	Dissolved Oxygen	—	7.06	mg/L	CASA-10-16728
SCA-4	8011	37	11/03/09	WG	Dissolved Oxygen	—	7.75	mg/L	CASA-10-3627
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	05/10/10	WG	Oxidation Reduction Potential	—	146.3	mV	CASA-10-16728
SCA-4	8011	37	11/03/09	WG	Oxidation Reduction Potential	—	432.4	mV	CASA-10-3627
SCA-4	8011	37	08/05/09	WG	Oxidation Reduction Potential	—	243.3	mV	CASA-09-10344

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	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	05/10/10	WG	pH	—	5.4	SU	CASA-10-16728
SCA-4	8011	37	11/03/09	WG	pH	—	6.77	SU	CASA-10-3627
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	05/10/10	WG	Specific Conductance	—	690	µS/cm	CASA-10-16728
SCA-4	8011	37	11/03/09	WG	Specific Conductance	—	427	µS/cm	CASA-10-3627
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	05/10/10	WG	Temperature	—	12.47	deg C	CASA-10-16728
SCA-4	8011	37	11/03/09	WG	Temperature	—	13.07	deg C	CASA-10-3627
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	05/10/10	WG	Turbidity	—	1.83	NTU	CASA-10-16728
SCA-4	8011	37	11/03/09	WG	Turbidity	—	9.9	NTU	CASA-10-3627
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
SCI-1	8211	358.4	05/07/10	WG	Dissolved Oxygen	—	9	mg/L	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Dissolved Oxygen	—	11.43	mg/L	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Dissolved Oxygen	—	8.15	mg/L	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Dissolved Oxygen	—	9.42	mg/L	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Dissolved Oxygen	—	10.96	mg/L	CASA-09-8267

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
SCI-1	8211	358.4	05/06/09	WG	Dissolved Oxygen	—	10.96	mg/L	CASA-09-9291
SCI-1	8211	358.4	05/07/10	WG	Oxidation Reduction Potential	—	219.9	mV	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Oxidation Reduction Potential	—	274.7	mV	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Oxidation Reduction Potential	—	369.1	mV	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Oxidation Reduction Potential	—	257.2	mV	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Oxidation Reduction Potential	—	195.2	mV	CASA-09-8267
SCI-1	8211	358.4	05/06/09	WG	Oxidation Reduction Potential	—	195.2	mV	CASA-09-9291
SCI-1	8211	358.4	05/07/10	WG	pH	—	7.25	SU	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	pH	—	6.59	SU	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	pH	—	6.74	SU	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	pH	—	6.89	SU	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	pH	—	7.01	SU	CASA-09-8267
SCI-1	8211	358.4	05/06/09	WG	pH	—	7.01	SU	CASA-09-9291
SCI-1	8211	358.4	05/07/10	WG	Specific Conductance	—	596	µS/cm	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Specific Conductance	—	721	µS/cm	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Specific Conductance	—	716	µS/cm	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Specific Conductance	—	593	µS/cm	CASA-09-10350
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	05/07/10	WG	Temperature	—	10.61	deg C	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Temperature	—	9.56	deg C	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Temperature	—	10.64	deg C	CASA-10-3665

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
SCI-1	8211	358.4	08/03/09	WG	Temperature	—	10.95	deg C	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Temperature	—	10.6	deg C	CASA-09-9291
SCI-1	8211	358.4	05/06/09	WG	Temperature	—	10.6	deg C	CASA-09-8267
SCI-1	8211	358.4	05/07/10	WG	Turbidity	—	3.15	NTU	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Turbidity	—	0.98	NTU	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Turbidity	—	0.88	NTU	CASA-10-3665
SCI-1	8211	358.4	08/03/09	WG	Turbidity	—	7.13	NTU	CASA-09-10350
SCI-1	8211	358.4	05/06/09	WG	Turbidity	—	4.13	NTU	CASA-09-8267
SCI-1	8211	358.4	05/06/09	WG	Turbidity	—	4.13	NTU	CASA-09-9291
SCI-2	8601	548	05/06/10	WG	Dissolved Oxygen	—	8.25	mg/L	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Dissolved Oxygen	—	8.6	mg/L	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Dissolved Oxygen	—	8.18	mg/L	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Dissolved Oxygen	—	10.53	mg/L	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Dissolved Oxygen	—	9	mg/L	CASA-09-2992
SCI-2	8601	548	05/06/10	WG	Oxidation Reduction Potential	—	244.8	mV	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Oxidation Reduction Potential	—	337.7	mV	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Oxidation Reduction Potential	—	242.1	mV	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Oxidation Reduction Potential	—	223.3	mV	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Oxidation Reduction Potential	—	231.8	mV	CASA-09-2992
SCI-2	8601	548	05/06/10	WG	pH	—	7.32	SU	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	pH	—	7.23	SU	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	pH	—	7.17	SU	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	pH	—	7.26	SU	CASA-09-8313

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
SCI-2	8601	548	05/06/10	WG	Specific Conductance	—	590	µS/cm	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Specific Conductance	—	575	µS/cm	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Specific Conductance	—	546	µS/cm	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Specific Conductance	—	464	µS/cm	CASA-09-8313
SCI-2	8601	548	05/06/10	WG	Temperature	—	14.75	deg C	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Temperature	—	9.48	deg C	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Temperature	—	13.95	deg C	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Temperature	—	14.34	deg C	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Temperature	—	14.22	deg C	CASA-09-2992
SCI-2	8601	548	05/06/10	WG	Turbidity	—	3.76	NTU	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Turbidity	—	1.99	NTU	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Turbidity	—	2.28	NTU	CASA-10-3716
SCI-2	8601	548	05/06/09	WG	Turbidity	—	2.24	NTU	CASA-09-8313
SCI-2	8601	548	02/13/09	WG	Turbidity	—	32.4	NTU	CASA-09-2992
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Dissolved Oxygen	—	8.3	mg/L	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Dissolved Oxygen	—	7.85	mg/L	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Dissolved Oxygen	—	7.85	mg/L	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Dissolved Oxygen	—	7.9	mg/L	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Dissolved Oxygen	—	6.84	mg/L	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	Dissolved Oxygen	—	6.51	mg/L	CASA-09-8226
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Oxidation Reduction Potential	—	216	mV	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	10/17/06	WP ^h	Oxidation Reduction Potential	—	330	mV	FU061000PSFS01
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	pH	—	8.71	SU	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	pH	—	7.75	SU	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	pH	—	7.75	SU	CASA-10-9406

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Symbol	Result	Units	Sample
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	pH	—	8.13	SU	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	pH	—	6.24	SU	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Specific Conductance	—	529	µS/cm	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Specific Conductance	—	826	µS/cm	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Specific Conductance	—	826	µS/cm	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Specific Conductance	—	445	µS/cm	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Specific Conductance	—	496	µS/cm	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Temperature	—	19.75	deg C	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Temperature	—	8.67	deg C	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Temperature	—	8.67	deg C	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Temperature	—	15.45	deg C	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Temperature	—	22.56	deg C	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	Temperature	—	21.97	deg C	CASA-09-8226
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Turbidity	—	4.28	NTU	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Turbidity	—	6.62	NTU	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Turbidity	—	6.62	NTU	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Turbidity	—	3.07	NTU	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	Turbidity	—	3.16	NTU	CASA-09-10313
South Fork of Sandia Canyon at E122	—	—	05/07/09	WS	Turbidity	—	13.5	NTU	CASA-09-8226

^a n/a = Not applicable.

^b WS = Surface water.

^c SU = Standard unit.

^d µS/cm = Microsiemens per centimeter.

^e NTU = Nephelometric turbidity unit.

^f WG = Groundwater.

^g mV = Millivolt.

^h WP = Persistent water.

Appendix B

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

Appendix C

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

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

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

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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9329	UMTL
R-1	1701	1031.1	8/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9549	UMTL
R-1	1701	1031.1	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2607	UMTL
R-1	1701	1031.1	11/18/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.6386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-344	CAMO-09-789	UMTL
R-1	1701	1031.1	8/15/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.02176	9.93E-01	3.38E+00	—	pCi/L	U	U	08-1738	CAMO-08-14505	ARSL
R-13	1741	958.3	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.94915	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9343	UMTL
R-13	1741	958.3	2/11/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.76632	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9346	UMTL
R-13	1741	958.3	8/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9558	UMTL
R-13	1741	958.3	2/10/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2629	UMTL
R-13	1741	958.3	2/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-865	CAMO-09-2628	UMTL
R-13	1741	958.3	11/10/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-812	UMTL
R-13	1741	958.3	11/10/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.3193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-811	UMTL
R-13	1741	958.3	8/14/2008	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-2.07545	1.01E+00	3.42E+00	—	pCi/L	U	U	08-1687	CAMO-08-14536	ARSL
R-13	1741	958.3	8/14/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.41509	1.01E+00	3.48E+00	—	pCi/L	U	U	08-1687	CAMO-08-14532	ARSL
R-14	8571	1200.6	2/3/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9333	UMTL
R-14	8571	1200.6	11/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-381	CAMO-10-3215	UMTL
R-14	8571	1200.6	8/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-9571	UMTL
R-14	8571	1200.6	5/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1855	CAMO-09-8207	UMTL
R-14	8571	1200.6	2/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1039	CAMO-09-2862	UMTL
R-15	1751	958.6	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.3335	9.58E-01	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9324	UMTL
R-15	1751	958.6	8/6/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	30.3335	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9544	UMTL
R-15	1751	958.6	8/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	29.6949	9.58E-01	2.87E-01	—	pCi/L	—	—	09-2842	CAMO-09-9542	UMTL
R-15	1751	958.6	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	27.30015	8.94E-01	2.87E-01	—	pCi/L	—	—	09-916	CAMO-09-2615	UMTL
R-15	1751	958.6	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	37.83705	1.09E+01	7.02E+00	—	pCi/L	—	—	09-933	CAMO-09-11413	ARSL
R-15	1751	958.6	11/10/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	30.3335	9.58E-01	2.87E-01	—	pCi/L	—	—	09-264	CAMO-09-798	UMTL
R-15	1751	958.6	8/15/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	16.95483	2.88E+00	3.58E+00	—	pCi/L	—	U	08-1738	CAMO-08-14541	ARSL
R-16	8861	863.4	2/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1795	CAMO-10-9388	UMTL
R-16	8861	863.4	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	10-662	CAMO-10-3150	UMTL
R-16	8861	863.4	2/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-802	CAMO-09-2637	UMTL
R-16	8861	863.4	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-820	UMTL
R-16	8861	863.4	8/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.34106	1.04E+00	3.38E+00	—	pCi/L	U	U	08-1660	CAMO-08-14842	ARSL
R-16	8871	1237	2/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1785	CAMO-10-12325	UMTL
R-16	8871	1237	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-662	CAMO-10-3193	UMTL
R-16	8871	1237	2/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-802	CAMO-09-2641	UMTL
R-16	8871	1237	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.51088	2.87E-01	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-823	UMTL
R-16	8871	1237	8/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	1.06E+00	3.58E+00	—	pCi/L	U	U	08-1660	CAMO-08-14845	ARSL
R-16r	6341	600	2/4/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1656	CAMO-10-9337	UMTL
R-16r	6341	600	11/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-581	CAMO-10-3144	UMTL
R-16r	6341	600	8/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2842	CAMO-09-9556	UMTL
R-16r	6341	600	5/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8192	UMTL
R-16r	6341	600	5/4/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8194	UMTL
R-16r	6341	600	2/13/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2621	UMTL
R-16r	6341	600	2/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2619	UMTL
R-28	1781	934.3	2/3/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	199.5625	6.71E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9326	UMTL
R-28	1781	934.3	8/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	189.3449	6.39E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9546	UMTL
R-28	1781	934.3	2/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.0081	6.39E+00	2.87E-01	—	pCi/L	—	—	09-865	CAMO-09-2625	UMTL
R-28	1781	934.3	2/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	233.59988	6.11E+01	6.83E+00	—	pCi/L	—	—	09-867	CAMO-09-11414	ARSL
R-28	1781	934.3	11/10/2008	WG	UF	CS	—	Rad	LLEE	Tritium	—	194.64528	6.39E+00	2.87E-01	—	pCi/L	—	—	09-264	CAMO-09-808	UMTL
R-28	1781	934.3	8/15/2008	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	200.313	5.95E+01	1.89E+02	—	pCi/L	—	—	08-1738	CAMO-08-14543	ARSL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	1/28/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1612	CAMO-10-9361	UMTL
R-33	5491	995.5	11/9/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3196	UMTL
R-33	5491	995.5	11/9/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3199	UMTL
R-33	5491	995.5	8/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9578	UMTL
R-33	5491	995.5	5/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.57474	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1855	CAMO-09-8200	UMTL
R-33	5491	995.5	2/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1039	CAMO-09-2865	UMTL
R-33	5501	1112.4	1/28/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1612	CAMO-10-9367	UMTL
R-33	5501	1112.4	11/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3211	UMTL
R-33	5501	1112.4	8/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9580	UMTL
R-33	5501	1112.4	5/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1741	CAMO-09-8202	UMTL
R-33	5501	1112.4	2/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-798	CAMO-09-2868	UMTL
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.86	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.98	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.03	—	—	7.30E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.05	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.1	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.6	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.7	—	—	7.30E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.5	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	3.00E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.5	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	3.00E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.31	—	—	6.60E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.39	—	—	6.60E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.524	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.444	—	—	3.30E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.374	—	—	3.30E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.8	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.2	—	—	3.50E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.1	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.1	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59	—	—	3.50E-01	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.89	—	—	8.50E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	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	2/10/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.431	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.461	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.119	—	—	1.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.46	—	—	5.00E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.398	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.297	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.354	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.304	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.31	—	—	5.00E-02	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.316	—	—	5.00E-02	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.49	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.46	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J-	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.51	—	—	1.00E-02	SU	H	J-	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.63	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	4.50E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.88	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3146	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.77	—	—	1.00E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.67	—	—	1.00E-01	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.58	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.62	—	—	1.00E-01	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.71	—	—	1.00E-01	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.524	—	—	3.30E-01	mg/L	J	J	10-1806	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.426	—	—	3.30E-01	mg/L	J	J	10-493	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.606	—	—	3.30E-01	mg/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.771	—	—	3.30E-01	mg/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	182	—	—	6.80E+01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	142	—	—	6.80E+01	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	72.1	—	—	6.80E+01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	77.9	—	—	6.80E+01	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.1	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.8	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.9	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.6	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.00E+01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	11.5	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	2.50E+00	ug/L	J	J	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.88	—	—	1.50E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	1.50E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.16	—	—	2.50E+00	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.95	—	—	1.50E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.5	—	—	1.50E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	115	—	—	3.00E+01	ug/L	—	—	10-1807	CAMO-10-9350	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	132	—	—	3.00E+01	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.2	—	—	2.50E+01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	62.3	—	—	2.50E+01	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.05	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.64	—	—	2.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.36	—	—	2.00E+00	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.42	—	—	2.00E+00	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.608	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	ug/L	J	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.63	—	—	5.00E-01	ug/L	J	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.809	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.534	—	—	5.00E-01	ug/L	—	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.525	—	—	5.00E-01	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	5.00E-01	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	3.20E-02	mg/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	3.20E-02	mg/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.5	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.1	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.9	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.7	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.2	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.9	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.505	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.454	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/L	—	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.47	—	—	5.00E-02	ug/L	—	—	09-892	CAMO-09-2635	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.507	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.451	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.596	—	—	5.00E-02	ug/L	—	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.51	—	—	5.00E-02	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.73	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.49	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.4	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.98	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.68	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1.00E+00	ug/L	—	—	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.7	—	—	3.30E+00	ug/L	J	J	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.82	—	—	3.30E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.74	—	—	2.00E+00	ug/L	J	J	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.3	—	—	2.00E+00	ug/L	J	J	09-892	CAMO-09-2635	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.27	—	—	3.30E+00	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.73	—	—	3.30E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	5.46	—	—	3.30E+00	ug/L	J	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.79	—	—	2.00E+00	ug/L	J	J	09-1845	CAMO-09-8189	GELC
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.2	—	—	2.00E+00	ug/L	J	J	09-892	CAMO-09-2636	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	—	0.12	—	—	3.60E-02	ug/L	—	—	10-1806	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	<	0.109	—	—	3.60E-02	ug/L	U	U	09-2856	CAMO-09-9563	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	<	0.109	—	—	3.62E-02	ug/L	U	—	188434	GU070600G34R01	GELC
R-34	1791	883.7	3/13/2007	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	<	0.1	—	—	3.33E-02	ug/L	U	—	182409	GU070200G34R01	GELC
R-34	1791	883.7	10/30/2006	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	<	0.1	—	—	3.33E-02	ug/L	U	—	175330	GU061000G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	—	0.056	—	—	3.60E-02	ug/L	J	J	10-1806	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.109	—	—	3.60E-02	ug/L	U	U	09-2856	CAMO-09-9563	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.109	—	—	3.62E-02	ug/L	U	—	188434	GU070600G34R01	GELC
R-34	1791	883.7	3/13/2007	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.1	—	—	3.33E-02	ug/L	U	—	182409	GU070200G34R01	GELC
R-34	1791	883.7	10/30/2006	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.1	—	—	3.33E-02	ug/L	U	—	175330	GU061000G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00624	5.20E-03	3.50E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00821	9.90E-03	3.20E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00496	1.10E-02	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00265	2.28E-03	3.83E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00104	8.99E-03	3.98E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00715	7.93E-03	3.35E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.14	1.40E+00	4.30E+00	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.29	1.20E+00	4.30E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.26	1.20E+00	4.10E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.45	1.25E+00	3.48E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	2.55	1.05E+00	3.92E+00	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.381	1.23E+00	4.10E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.434	1.20E+00	4.20E+00	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.16	1.10E+00	4.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0627	1.30E+00	4.20E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.228	1.31E+00	4.40E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.0263	1.38E+00	3.85E+00	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.26	1.44E+00	4.79E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.389	2.70E-01	8.80E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.202	3.83E-01	2.21E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.919	5.79E-01	1.77E+00	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.502	3.07E-01	9.94E-01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	17.5	5.90E+00	2.30E+01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	38	1.50E+01	5.00E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.6	2.60E+01	5.00E+01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69.5	3.90E+01	2.06E+02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	84.2	5.84E+01	2.44E+02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63.9	6.38E+01	1.62E+02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.18	1.00E+01	3.30E+01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.39	1.00E+01	3.20E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.4	1.10E+01	3.20E+01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.08	1.01E+01	3.18E+01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-17.8	1.07E+01	2.80E+01	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.58	1.10E+01	3.47E+01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00312	3.10E-03	5.10E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0023	8.90E-03	3.70E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00172	4.50E-03	2.40E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00659	5.22E-03	3.16E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00819	4.92E-03	3.14E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00721	5.71E-03	2.52E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0227	9.20E-03	3.60E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0023	6.10E-03	4.50E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.04E-10	3.40E-03	2.90E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00494	4.37E-03	2.90E-02	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00818	4.92E-03	2.88E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0018	4.77E-03	2.80E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-18	2.00E+01	6.30E+01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-33.5	1.70E+01	4.70E+01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.62	1.70E+01	4.70E+01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	24	1.59E+01	5.74E+01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	6.66	1.37E+01	2.95E+01	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.7	1.31E+01	4.46E+01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.233	1.30E-01	4.00E-01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.174	1.10E-01	3.50E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0395	1.60E-01	6.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	2/19/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.375	1.50E-01	4.20E-01	—	pCi/L	U	U	08-649	CAMO-08-10451	GELC
R-34	1791	883.7	11/14/2007	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.819	2.60E-01	6.60E-01	—	pCi/L	—	—	08-182	CAMO-08-8647	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.252	2.10E-01	7.30E-01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.82	4.50E-01	1.10E+00	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0656	1.70E-01	6.40E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	2/19/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.242	1.90E-01	7.70E-01	—	pCi/L	U	U	08-649	CAMO-08-10451	GELC
R-34	1791	883.7	11/14/2007	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.299	2.20E-01	7.20E-01	—	pCi/L	U	U	08-182	CAMO-08-8647	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.59	1.60E+00	4.60E+00	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.148	1.20E+00	4.20E+00	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.339	1.00E+00	3.60E+00	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.18	1.24E+00	4.45E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.839	1.21E+00	4.14E+00	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.41	7.26E-01	2.58E+00	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0636	9.40E-02	3.20E-01	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0857	9.80E-02	3.50E-01	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0345	7.80E-02	3.10E-01	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0749	1.13E-01	3.99E-01	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.19	1.17E-01	4.98E-01	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00326	9.24E-02	3.52E-01	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.38316	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9350	UMTL
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3147	UMTL
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.3193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2930	CAMO-09-9563	UMTL
R-34	1791	883.7	5/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1855	CAMO-09-8189	UMTL
R-34	1791	883.7	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-916	CAMO-09-2636	UMTL
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.325	4.80E-02	8.10E-02	—	pCi/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.279	3.30E-02	9.00E-02	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.301	3.00E-02	6.00E-02	—	pCi/L	—	—	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.307	3.93E-02	4.49E-02	—	pCi/L	—	—	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.346	4.34E-02	4.63E-02	—	pCi/L	—	—	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.369	3.52E-02	3.17E-02	—	pCi/L	—	—	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0253	1.30E-02	6.40E-02	—	pCi/L	U	U	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0058	7.10E-03	4.40E-02	—	pCi/L	U	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00652	9.00E-03	3.20E-02	—	pCi/L	U	U	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0443	1.53E-02	3.83E-02	—	pCi/L	—	J	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0137	9.77E-03	3.96E-02	—	pCi/L	U	U	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.011	1.03E-02	4.24E-02	—	pCi/L	U	U	188434	GU070600G34R01	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.182	3.40E-02	5.80E-02	—	pCi/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.122	2.00E-02	4.40E-02	—	pCi/L	—	—	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/15/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.116	1.90E-02	3.20E-02	—	pCi/L	—	—	08-1699	CAMO-08-14546	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.149	2.66E-02	5.99E-02	—	pCi/L	—	J	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.144	2.72E-02	6.19E-02	—	pCi/L	—	J	191665	GU070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.18	2.33E-02	4.22E-02	—	pCi/L	—	—	188434	GU070600G34R01	GELC
R-42	8591	931.8	2/10/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	224.7872	7.34E+00	2.87E-01	—	pCi/L	—	—	10-1902	CAMO-10-9357	UMTL
R-42	8591	931.8	11/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	216.4854	7.02E+00	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3218	UMTL
R-42	8591	931.8	8/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.966	6.39E+00	2.87E-01	—	pCi/L	—	—	09-2930	CAMO-09-9568	UMTL
R-42	8591	931.8	5/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	197.3274	6.39E+00	2.87E-01	—	pCi/L	—	—	09-1855	CAMO-09-8209	UMTL
R-42	8591	931.8	2/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	181.3624	6.07E+00	2.87E-01	—	pCi/L	—	—	09-1039	CAMO-09-2870	UMTL
R-44	8671	895	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.34	—	—	2.50E+00	ug/L	J	J	10-2620	CAMO-10-9729	GELC
R-44	8671	895	11/13/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3901	GELC
R-44	8671	895	11/13/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	8/17/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-10295	GELC
R-44	8671	895	8/17/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	7/14/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.68	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	7/14/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.33	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11389	GELC
R-44	8671	895	2/17/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.8	—	—	1.50E+00	ug/L	—	—	09-913	CAMO-09-4438	GELC
R-44	8671	895	2/10/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9370	UMTL
R-44	8671	895	11/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.21334	2.87E-01	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3225	UMTL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	8/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.54281	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9922	UMTL
R-44	8671	895	7/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2634	CAMO-09-11387	UMTL
R-44	8671	895	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-918	CAMO-09-4437	UMTL
R-44	8681	985.3	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9730	GELC
R-44	8681	985.3	11/13/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.48	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/13/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.99	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3902	GELC
R-44	8681	985.3	8/17/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-10296	GELC
R-44	8681	985.3	8/17/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	7/14/2009	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.5	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11400	GELC
R-44	8681	985.3	7/14/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.65	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11394	GELC
R-44	8681	985.3	7/14/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.44	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	2/22/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.8	—	—	1.50E+00	ug/L	—	—	09-979	CAMO-09-4442	GELC
R-44	8681	985.3	2/10/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9373	UMTL
R-44	8681	985.3	11/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	2.87E-01	2.87E-01	—	pCi/L	—	U	10-523	CAMO-10-3228	UMTL
R-44	8681	985.3	8/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9927	UMTL
R-44	8681	985.3	7/14/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2634	CAMO-09-11393	UMTL
R-44	8681	985.3	7/14/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-2634	CAMO-09-11399	UMTL
R-44	8681	985.3	2/22/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.28737	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1041	CAMO-09-4441	UMTL
R-45	8721	880	1/27/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	21.4	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9731	GELC
R-45	8721	880	11/16/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.7	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/16/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3903	GELC
R-45	8721	880	8/19/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10293	GELC
R-45	8721	880	8/19/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	7/16/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	7/16/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.1	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11402	GELC
R-45	8721	880	2/28/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	1.50E+00	ug/L	—	—	09-1052	CAMO-09-4585	GELC
R-45	8721	880	1/27/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.34106	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9379	UMTL
R-45	8721	880	11/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.66036	2.87E-01	2.87E-01	—	pCi/L	—	—	10-581	CAMO-10-3231	UMTL
R-45	8721	880	8/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.07971	3.51E-01	2.87E-01	—	pCi/L	—	—	09-3009	CAMO-09-10254	UMTL
R-45	8721	880	7/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.56457	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2697	CAMO-09-11401	UMTL
R-45	8721	880	2/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1053	CAMO-09-4583	UMTL
R-45	8731	974.9	1/27/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.2772	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1610	CAMO-10-9384	UMTL
R-45	8731	974.9	1/27/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	<	0.86211	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1610	CAMO-10-9385	UMTL
R-45	8731	974.9	11/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.76632	2.87E-01	2.87E-01	—	pCi/L	—	U	10-581	CAMO-10-3234	UMTL
R-45	8731	974.9	8/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.83018	2.87E-01	2.87E-01	—	pCi/L	—	U	09-3009	CAMO-09-10256	UMTL
R-45	8731	974.9	7/16/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.9579	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2697	CAMO-09-11412	UMTL
R-45	8731	974.9	3/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.41509	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1184	CAMO-09-4588	UMTL
R-46	8741	1340	2/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.35123	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1656	CAMO-10-9358	UMTL
R-46	8741	1340	11/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	10-523	CAMO-10-3236	UMTL
R-46	8741	1340	8/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2842	CAMO-09-10260	UMTL
R-46	8741	1340	6/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2461	CAMO-09-10498	UMTL
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1955	CAMO-09-9273	UMTL
R-46	8741	1340	5/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1955	CAMO-09-8218	UMTL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.5	—	—	7.30E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84	—	—	7.30E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.5	—	—	7.30E-01	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.6	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	3.00E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.3	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.8	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	3.00E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.03	—	—	6.60E-02	mg/L	—	J	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.54	—	—	6.60E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.8	—	—	6.60E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.29	—	—	3.30E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	3.30E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.523	—	—	3.30E-02	mg/L	—	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.35	—	—	3.30E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.333	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.7	—	—	3.50E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.2	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.3	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.9	—	—	3.50E-01	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.5	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67	—	—	3.50E-01	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.3	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.6	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	66.4	—	—	3.50E-01	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.26	—	—	8.50E-02	mg/L	E	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.46	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.3	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.84	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	E	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.37	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.087	—	—	1.00E-02	mg/L	—	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.485	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.555	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.84	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.54	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3705	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.504	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.509	—	—	5.00E-02	ug/L	—	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.573	—	—	5.00E-02	ug/L	—	J+	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.48	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.78	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.54	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.69	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.56	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.5	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.59	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.55	—	—	5.00E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	4.50E-02	mg/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.07	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.62	—	—	1.00E-01	mg/L	—	J	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.76	—	—	1.00E-01	mg/L	—	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4	—	—	1.00E-01	mg/L	—	J-	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.1	—	—	1.00E-01	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.40E+00	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	J	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.423	—	—	3.30E-01	mg/L	J	J	10-1779	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-3333	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.561	—	—	3.30E-01	mg/L	J	J	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.661	—	—	3.30E-01	mg/L	J	J	09-204	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.1	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	51.6	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.9	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-877	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.8	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	48.5	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.4	—	—	1.00E+01	ug/L	J	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	1.00E+01	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	ug/L	J	J	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.2	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.00E+01	ug/L	J	J	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.00E+01	ug/L	J	J	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.33	—	—	2.50E+00	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.01	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.8	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.5	—	—	1.50E+00	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.1	—	—	1.50E+00	ug/L	J	J	09-205	CASA-09-909	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.76	—	—	2.50E+00	ug/L	J	J	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.46	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.12	—	—	2.50E+00	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.8	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.1	—	—	1.50E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.05	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.4	—	—	1.00E-01	ug/L	—	U	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.13	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.4	—	—	1.00E-01	ug/L	—	U	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.811	—	—	5.00E-01	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.697	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.59	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.52	—	—	5.00E-01	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.5	—	—	5.30E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.7	—	—	5.30E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	5.30E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.8	—	—	3.20E-02	mg/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64	—	—	3.20E-02	mg/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	98.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.6	—	—	3.30E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.1	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.6	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.3	—	—	2.00E+00	ug/L	J	J	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.2	—	—	2.00E+00	ug/L	J	J	09-205	CASA-09-877	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.9	—	—	3.30E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.6	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.9	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.1	—	—	2.00E+00	ug/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	11/3/2008	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19	—	—	2.00E+00	ug/L	—	—	09-205	CASA-09-876	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00916	1.20E-02	4.00E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000818	4.80E-03	3.70E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0259	7.60E-03	3.50E-02	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00481	3.80E-03	2.70E-02	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00605	3.90E-03	4.40E-02	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.37	1.60E+00	4.30E+00	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.645	1.50E+00	5.10E+00	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-4.86	1.60E+00	3.90E+00	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.226	1.20E+00	4.00E+00	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.288	1.60E+00	5.10E+00	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.431	1.60E+00	5.00E+00	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.37	1.60E+00	5.60E+00	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.448	1.40E+00	4.60E+00	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.4	1.40E+00	5.30E+00	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.56	1.80E+00	6.50E+00	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.58	7.20E-01	1.70E+00	—	pCi/L	U	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.63	1.00E+00	2.60E+00	—	pCi/L	—	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.66	9.26E-01	2.81E+00	—	pCi/L	U	U	191714	GU07080GR10101	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.55	5.79E-01	1.70E+00	—	pCi/L	U	U	188307	GU07060GR10101	GELC
R-10	6381	874	2/21/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.844	6.00E-01	2.03E+00	—	pCi/L	U	U	181329	GU07020GR10101	GELC
R-10	6381	874	10/12/2006	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.604	5.52E-01	1.79E+00	—	pCi/L	U	U	174120	GU06100GR10101	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.847	6.80E-01	2.30E+00	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.58	7.20E-01	1.70E+00	—	pCi/L	U	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.63	1.00E+00	2.60E+00	—	pCi/L	—	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	8/15/2007	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.6	8.82E-01	2.70E+00	—	pCi/L	U	U	191714	GF07080GR10101	GELC
R-10	6381	874	6/19/2007	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.36	1.08E+00	3.06E+00	—	pCi/L	—	J	188307	GF07060GR10101	GELC
R-10	6381	874	2/21/2007	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.98	9.61E-01	2.75E+00	—	pCi/L	—	J	181329	GF07020GR10101	GELC
R-10	6381	874	10/12/2006	WG	F	CS	—	Rad	EPA:900	Gross beta	<	2.68	9.56E-01	2.97E+00	—	pCi/L	U	U	174120	GF06100GR10101	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.46	7.50E-01	2.30E+00	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.86	1.10E+00	2.40E+00	—	pCi/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	7.14	1.20E+00	2.80E+00	—	pCi/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.2	9.11E-01	2.86E+00	—	pCi/L	U	U	191714	GU07080GR10101	GELC
R-10	6381	874	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.69	1.06E+00	3.33E+00	—	pCi/L	U	U	188307	GU07060GR10101	GELC
R-10	6381	874	2/21/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.53	1.16E+00	3.50E+00	—	pCi/L	—	J	181329	GU07020GR10101	GELC
R-10	6381	874	10/12/2006	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.9	1.11E+00	3.34E+00	—	pCi/L	—	J	174120	GU06100GR10101	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	12.3	4.30E+00	1.50E+01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	75.1	3.10E+01	8.30E+01	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	69.7	1.80E+01	5.90E+01	—	pCi/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	0.312	1.80E+00	2.60E+00	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	134	1.10E+02	4.00E+02	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.02	1.50E+01	5.10E+01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	10.7	1.20E+01	3.90E+01	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.6	1.10E+01	4.00E+01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.1	1.00E+01	3.10E+01	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.11	1.10E+01	3.60E+01	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.000685	4.50E-03	5.20E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00353	3.10E-03	3.00E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00672	5.00E-03	3.10E-02	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00262	4.50E-03	3.70E-02	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00178	2.50E-03	2.10E-02	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00502	6.10E-03	3.60E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00882	4.30E-03	2.90E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00448	4.50E-03	4.50E-02	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00262	5.90E-03	4.50E-02	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00533	3.10E-03	2.90E-02	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.7	2.20E+01	7.80E+01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.67	1.60E+01	4.60E+01	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.5	1.90E+01	6.40E+01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	8.65	1.60E+01	5.70E+01	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	36.5	2.20E+01	3.70E+01	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.847	1.90E-01	3.30E-01	—	pCi/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	-0.168	8.90E-02	4.50E-01	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	11/15/2007	WG	UF	CS	FD	Rad	EPA:903.1	Radium-226	—	0.996	2.70E-01	6.40E-01	—	pCi/L	—	—	08-193	CASA-08-7350	GELC
R-10	6381	874	11/15/2007	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.491	2.40E-01	7.20E-01	—	pCi/L	U	U	08-193	CASA-08-7347	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.354	2.30E-01	7.30E-01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.434	1.80E-01	5.10E-01	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	11/15/2007	WG	UF	CS	FD	Rad	EPA:904	Radium-228	—	2.1	4.30E-01	8.10E-01	—	pCi/L	—	—	08-193	CASA-08-7350	GELC
R-10	6381	874	11/15/2007	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	-0.0997	1.70E-01	6.70E-01	—	pCi/L	U	U	08-193	CASA-08-7347	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.32	1.60E+00	5.40E+00	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.71	1.20E+00	3.30E+00	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.22	1.40E+00	4.40E+00	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.142	1.10E+00	3.70E+00	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.956	1.30E+00	4.70E+00	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0217	1.40E-01	4.90E-01	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0553	1.30E-01	4.40E-01	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.456	1.50E-01	4.80E-01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0629	6.80E-02	2.30E-01	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0924	8.10E-02	3.40E-01	—	pCi/L	U	U	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	2.87E-01	2.87E-01	—	pCi/L	—	U	10-1778	CASA-10-9475	UMTL
R-10	6381	874	11/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3704	UMTL
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19158	2.87E-01	2.87E-01	—	pCi/L	U	U	10-18	CASA-09-12923	UMTL
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-919	CASA-09-2786	UMTL
R-10	6381	874	11/3/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-265	CASA-09-876	UMTL
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-3.79967	1.14E+00	3.61E+00	—	pCi/L	U	U	08-1674	CASA-08-14374	ARSL
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	08-1236	CASA-08-12863	UMTL
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.646	7.10E-02	6.30E-02	—	pCi/L	—	J+	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.797	7.60E-02	1.00E-01	—	pCi/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.892	1.00E-01	2.60E-01	—	pCi/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.791	8.00E-02	1.60E-01	—	pCi/L	—	—	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.815	6.10E-02	6.80E-02	—	pCi/L	—	—	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0245	1.30E-02	5.00E-02	—	pCi/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	8.20E-03	5.30E-02	—	pCi/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.60E-02	1.20E-01	—	pCi/L	U	U	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00558	9.70E-03	8.30E-02	—	pCi/L	U	U	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0513	1.10E-02	3.50E-02	—	pCi/L	—	—	08-1235	CASA-08-12863	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.382	4.90E-02	4.50E-02	—	pCi/L	—	J+	10-1780	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.422	4.70E-02	6.40E-02	—	pCi/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.377	6.70E-02	1.50E-01	—	pCi/L	—	—	09-891	CASA-09-2786	GELC
R-10	6381	874	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.361	4.90E-02	8.10E-02	—	pCi/L	—	—	08-1667	CASA-08-14374	GELC
R-10	6381	874	5/27/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.415	3.70E-02	4.10E-02	—	pCi/L	—	J	08-1235	CASA-08-12863	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.2	—	—	7.30E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88	—	—	7.30E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.1	—	—	7.30E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.2	—	—	7.30E-01	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.9	—	—	7.30E-01	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	3.00E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	3.00E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	3.00E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.08	—	—	6.60E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.06	—	—	6.60E-02	mg/L	—	J	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.77	—	—	6.60E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.13	—	—	6.60E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.16	—	—	6.60E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.258	—	—	3.30E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.238	—	—	3.30E-02	mg/L	—	—	10-452	CASA-10-3709	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.452	—	—	3.30E-02	mg/L	—	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.311	—	—	3.30E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.287	—	—	3.30E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.8	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.1	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.2	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.4	—	—	3.50E-01	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.3	—	—	3.50E-01	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.9	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.2	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.8	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	72.6	—	—	3.50E-01	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.1	—	—	3.50E-01	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.59	—	—	8.50E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.63	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.43	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.515	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0451	—	—	1.00E-02	mg/L	J	U	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.488	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.502	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.529	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.434	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.503	—	—	5.00E-02	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.483	—	—	5.00E-02	ug/L	—	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	Field	pH	—	7.76	—	—	—	SU	—	—	0	CASA-09-2788	FLD
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.73	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.7	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.77	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.8	—	—	5.00E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.78	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.81	—	—	5.00E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.7	—	—	5.00E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	4.50E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	4.50E-02	mg/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	4.50E-02	mg/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	Field	Specific Conductance	—	206	—	—	—	uS/cm	—	—	0	CASA-09-2788	FLD
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.73	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	J	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.5	—	—	1.00E-01	mg/L	—	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.64	—	—	1.00E-01	mg/L	—	J-	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.40E+00	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.491	—	—	3.30E-01	mg/L	J	J	10-1776	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.391	—	—	3.30E-01	mg/L	J	J	10-451	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-3333	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.634	—	—	3.30E-01	mg/L	J	J	09-1839	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.537	—	—	3.30E-01	mg/L	J	J	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.61	—	—	1.50E+00	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.58	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.5	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.7	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39.2	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.7	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.5	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.1	—	—	1.00E+01	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.00E+01	ug/L	J	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	31.9	—	—	1.00E+01	ug/L	J	J	09-1840	CASA-09-8270	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.3	—	—	1.00E+01	ug/L	J	J	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.88	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.11	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.24	—	—	1.50E+00	ug/L	J	J	09-1841	CASA-09-9292	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.47	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.47	—	—	1.50E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.81	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.1	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.06	—	—	1.50E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	1.50E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.03	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.06	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.563	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.727	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.847	—	—	5.00E-01	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.532	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.771	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	J	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.65	—	—	5.00E-01	ug/L	J	J	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	5.30E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.5	—	—	3.20E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	3.20E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.59	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	J	09-1840	CASA-09-8271	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.55	—	—	5.00E-02	ug/L	—	J	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.6	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	48.7	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.73	—	—	2.00E+00	ug/L	J	J	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.4	—	—	2.00E+00	ug/L	J	J	09-891	CASA-09-2788	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.4	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36.3	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	52.6	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	2.00E+00	ug/L	—	—	09-1840	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	2.00E+00	ug/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00575	7.20E-03	3.60E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00728	3.90E-03	3.60E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00346	6.60E-03	4.40E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00148	3.40E-03	5.20E-02	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.06	1.60E+00	5.20E+00	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.96	1.50E+00	4.10E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.957	1.30E+00	4.10E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.417	1.60E+00	5.10E+00	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.53	1.50E+00	4.30E+00	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.15	1.40E+00	4.30E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.36	1.30E+00	4.30E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.09	1.70E+00	5.30E+00	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.44	6.30E-01	1.60E+00	—	pCi/L	U	U	09-1841	CASA-09-8271	GELC
R-10	6391	1042	8/15/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.925	8.03E-01	2.80E+00	—	pCi/L	U	U	191714	GF07080GR10201	GELC
R-10	6391	1042	6/19/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	1.64	4.72E-01	1.13E+00	—	pCi/L	—	J	188307	GF07060GR10201	GELC
R-10	6391	1042	2/21/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.802	5.84E-01	1.93E+00	—	pCi/L	U	U	181329	GF07020GR10201	GELC
R-10	6391	1042	10/12/2006	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.689	5.80E-01	1.83E+00	—	pCi/L	U	U	174120	GF06100GR10201	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.43	1.00E+00	2.30E+00	—	pCi/L	—	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.809	7.20E-01	2.60E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.54	6.80E-01	1.80E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.047	6.28E-01	2.69E+00	—	pCi/L	U	U	191714	GU07080GR10201	GELC
R-10	6391	1042	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.18	3.84E-01	9.33E-01	—	pCi/L	—	J	188307	GU07060GR10201	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.07	6.60E-01	2.00E+00	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	2.43	1.00E+00	2.30E+00	—	pCi/L	—	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	0.809	7.20E-01	2.60E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha/beta	<	1.54	6.80E-01	1.80E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.7	9.50E-01	2.40E+00	—	pCi/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.15	9.90E-01	2.30E+00	—	pCi/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	8.37	1.20E+00	2.50E+00	—	pCi/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.11	8.30E-01	2.40E+00	—	pCi/L	—	—	09-1841	CASA-09-8270	GELC
R-10	6391	1042	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.49	1.01E+00	2.73E+00	—	pCi/L	—	J	191714	GU07080GR10201	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.4	4.30E+00	1.40E+01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	73.7	3.60E+01	6.70E+01	—	pCi/L	—	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	70.7	3.90E+01	7.20E+01	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	74.6	3.30E+01	6.80E+01	—	pCi/L	—	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.96	2.60E+00	5.90E+00	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.1	1.20E+01	3.90E+01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.25	1.10E+01	3.60E+01	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.28	1.10E+01	3.50E+01	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.65	1.30E+01	4.00E+01	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.74	8.30E+00	2.80E+01	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00582	1.20E-02	5.30E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00167	4.40E-03	2.80E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.40E-03	2.70E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00217	3.80E-03	3.00E-02	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00629	5.60E-03	2.90E-02	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00142	4.60E-03	3.70E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.01	5.30E-03	2.70E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0034	3.40E-03	3.30E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00868	6.10E-03	4.30E-02	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00419	4.20E-03	3.60E-02	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	15	2.10E+01	7.50E+01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	4.45	2.00E+01	7.30E+01	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.45	3.20E+01	4.40E+01	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.2	1.90E+01	6.60E+01	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-12.5	1.40E+01	4.80E+01	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.143	9.70E-02	3.20E-01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.692	1.80E-01	4.00E-01	—	pCi/L	—	—	08-1667	CASA-08-14376	GELC
R-10	6391	1042	11/15/2007	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.514	2.10E-01	5.90E-01	—	pCi/L	U	U	08-191	CASA-08-7420	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.167	2.50E-01	8.70E-01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.566	1.90E-01	4.90E-01	—	pCi/L	—	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	11/15/2007	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.704	2.80E-01	8.00E-01	—	pCi/L	U	U	08-191	CASA-08-7420	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.634	1.70E+00	6.00E+00	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.462	1.90E+00	6.00E+00	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.18	1.30E+00	3.90E+00	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.717	1.50E+00	5.30E+00	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.283	1.30E+00	4.10E+00	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.187	1.20E-01	4.90E-01	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.151	8.40E-02	2.70E-01	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0593	1.30E-01	4.70E-01	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0818	1.20E-01	4.00E-01	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0222	4.40E-02	1.50E-01	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1778	CASA-10-9479	UMTL
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3707	UMTL
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	0.28737	2.87E-01	2.87E-01	—	pCi/L	—	—	10-18	CASA-09-12927	UMTL
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1856	CASA-09-8270	UMTL
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-919	CASA-09-2789	UMTL
R-10	6391	1042	11/12/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	09-277	CASA-09-879	UMTL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	-2.10738	1.06E+00	3.58E+00	—	pCi/L	U	U	08-1674	CASA-08-14376	ARSL
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.93	1.00E-01	8.00E-02	—	pCi/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.983	8.80E-02	1.00E-01	—	pCi/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.941	8.60E-02	1.20E-01	—	pCi/L	—	—	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.05	1.10E-01	2.30E-01	—	pCi/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.849	8.50E-02	1.60E-01	—	pCi/L	—	—	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.05	1.80E-02	6.30E-02	—	pCi/L	U	U	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.028	1.20E-02	5.10E-02	—	pCi/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0225	1.10E-02	5.70E-02	—	pCi/L	U	U	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00743	2.20E-02	1.10E-01	—	pCi/L	U	U	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0175	1.30E-02	8.70E-02	—	pCi/L	U	U	08-1667	CASA-08-14376	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.447	5.90E-02	5.70E-02	—	pCi/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.436	4.70E-02	6.10E-02	—	pCi/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.419	4.70E-02	6.10E-02	—	pCi/L	—	—	09-1841	CASA-09-8270	GELC
R-10	6391	1042	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.571	7.20E-02	1.40E-01	—	pCi/L	—	—	09-891	CASA-09-2789	GELC
R-10	6391	1042	8/13/2008	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.415	5.30E-02	8.50E-02	—	pCi/L	—	—	08-1667	CASA-08-14376	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91	—	—	7.30E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.5	—	—	7.30E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.4	—	—	7.30E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.1	—	—	7.30E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.106	—	—	6.60E-02	mg/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.12	—	—	6.60E-02	mg/L	J	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.13	—	—	6.70E-02	mg/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.096	—	—	6.70E-02	mg/L	J	J	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	08-1668	CASA-08-14378	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.8	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.8	—	—	3.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.9	—	—	3.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.6	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28	—	—	3.00E-02	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.9	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.5	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.2	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.2	—	—	3.00E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31	—	—	3.00E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	11/3/2008	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28	—	—	3.00E-02	mg/L	—	—	09-205	CASA-09-880	GELC
R-10a	6371	690	8/13/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.93	—	—	6.60E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.76	—	—	6.60E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.81	—	—	6.60E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.94	—	—	6.60E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.1	—	—	6.60E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.62	—	—	6.60E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.401	—	—	3.30E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.347	—	—	3.30E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.569	—	—	3.30E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.478	—	—	3.30E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.465	—	—	3.30E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.419	—	—	3.30E-02	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	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	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.1	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.5	—	—	3.50E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.1	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	87.7	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.5	—	—	3.50E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	11/3/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.4	—	—	3.50E-01	mg/L	—	—	09-205	CASA-09-881	GELC
R-10a	6371	690	8/13/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	87.2	—	—	3.50E-01	mg/L	—	—	08-1668	CASA-08-14378	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.5	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.4	—	—	3.50E-01	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	86.5	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.9	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	95.6	—	—	3.50E-01	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.82	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	J	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	8.50E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.21	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.2	—	—	5.00E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.45	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.827	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.855	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.624	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.733	—	—	5.00E-02	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.725	—	—	5.00E-02	ug/L	—	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.1	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.12	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.16	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.21	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.45	—	—	5.00E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	4.50E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	4.50E-02	mg/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00E+00	uS/cm	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	236	—	—	1.00E+00	uS/cm	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.93	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.36	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.52	—	—	1.00E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.89	—	—	1.00E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.2	—	—	1.00E-01	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.761	—	—	3.30E-01	mg/L	J	J	10-1776	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.83	—	—	3.30E-01	mg/L	J	J	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.674	—	—	3.30E-01	mg/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.609	—	—	3.30E-01	mg/L	J	J	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	81.4	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.3	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	78.5	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.2	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	82	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	85.4	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.5	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.7	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.71	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.17	—	—	2.50E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.27	—	—	2.50E+00	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.22	—	—	1.50E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.3	—	—	1.50E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.67	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.13	—	—	2.50E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.09	—	—	2.50E+00	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.12	—	—	1.50E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.6	—	—	1.50E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9458	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	1.00E-01	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.46	—	—	5.00E-01	ug/L	—	U	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	5.00E-01	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.917	—	—	5.00E-01	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.8	—	—	5.00E-01	ug/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.52	—	—	5.00E-01	ug/L	—	U	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.982	—	—	5.00E-01	ug/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1	—	—	5.00E-01	ug/L	J	J	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.7	—	—	5.30E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.7	—	—	5.30E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.9	—	—	5.30E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.2	—	—	3.20E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57	—	—	3.20E-02	mg/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	204	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	209	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	200	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	218	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	230	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.63	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.44	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.58	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.67	—	—	5.00E-02	ug/L	—	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.9	—	—	5.00E-02	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.52	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.13	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.23	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.59	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.95	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.56	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.6	—	—	1.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.9	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.99	—	—	3.30E+00	ug/L	J	U	09-2855	CASA-09-10362	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.21	—	—	2.00E+00	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.3	—	—	2.00E+00	ug/L	J	J	09-890	CASA-09-2791	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.4	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.96	—	—	3.30E+00	ug/L	J	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.3	—	—	2.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	2.00E+00	ug/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00626	4.70E-03	3.80E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.017	9.10E-03	3.40E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00071	4.80E-03	4.00E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00859	4.00E-03	4.40E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.47	1.60E+00	5.60E+00	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.27	1.80E+00	5.50E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.22	1.40E+00	3.90E+00	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.03	1.70E+00	5.20E+00	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.22	1.70E+00	4.90E+00	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.047	1.40E+00	4.60E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.77	9.60E-01	4.20E+00	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.448	1.10E+00	3.80E+00	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3	9.00E-01	1.70E+00	—	pCi/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	8/15/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	2.06	9.15E-01	2.45E+00	—	pCi/L	U	U	191714	GF07080GR10A01	GELC
R-10a	6371	690	6/19/2007	WG	F	CS	FD	Rad	EPA:900	Gross alpha	—	2.88	6.15E-01	1.13E+00	—	pCi/L	—	J	188307	GF07060GR10A20	GELC
R-10a	6371	690	6/19/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.88	5.58E-01	8.87E-01	—	pCi/L	—	—	188307	GF07060GR10A01	GELC
R-10a	6371	690	2/20/2007	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.89	9.17E-01	1.97E+00	—	pCi/L	—	J	181132	GF07020GR10A01	GELC
R-10a	6371	690	10/12/2006	WG	F	CS	FD	Rad	EPA:900	Gross alpha	—	2.39	7.88E-01	1.86E+00	—	pCi/L	—	J	174120	GF06100GR10A90	GELC
R-10a	6371	690	10/12/2006	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	2.17	8.10E-01	1.98E+00	—	pCi/L	—	J	174120	GF06100GR10A01	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.34	1.00E+00	2.80E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.79	8.80E-01	1.80E+00	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.87	8.03E-01	1.95E+00	—	pCi/L	U	U	191714	GU07080GR10A01	GELC
R-10a	6371	690	6/19/2007	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	—	3.1	6.42E-01	1.13E+00	—	pCi/L	—	J	188307	GU07060GR10A20	GELC
R-10a	6371	690	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	3.45	6.96E-01	9.58E-01	—	pCi/L	—	—	188307	GU07060GR10A01	GELC
R-10a	6371	690	2/20/2007	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.85	8.28E-01	2.33E+00	—	pCi/L	U	U	181132	GU07020GR10A01	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.9	6.30E+00	1.70E+01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	42.5	2.10E+01	4.70E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	47.2	2.40E+01	4.90E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	29.6	2.10E+01	3.30E+01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.93	1.40E+01	4.50E+01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.1	9.20E+00	2.10E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	9.67	8.80E+00	3.00E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	9.50E+00	3.20E+01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00798	7.70E-03	4.70E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0204	9.60E-03	3.30E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0258	7.00E-03	2.90E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0127	6.00E-03	2.90E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00162	5.00E-03	3.30E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00204	5.40E-03	4.00E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0221	6.50E-03	3.50E-02	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00424	4.20E-03	4.20E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.3	2.00E+01	7.60E+01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.5	1.80E+01	5.70E+01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-13.4	1.80E+01	5.80E+01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12	1.60E+01	5.70E+01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.0666	1.20E-01	4.50E-01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.301	1.20E-01	3.50E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	8/13/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.338	1.40E-01	4.20E-01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	2/19/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.256	2.00E-01	6.90E-01	—	pCi/L	U	U	08-652	CASA-08-10566	GELC
R-10a	6371	690	11/15/2007	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	2.30E-01	7.40E-01	—	pCi/L	U	U	08-191	CASA-08-7427	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.427	2.60E-01	8.30E-01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.587	2.50E-01	7.30E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	8/13/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.33	2.00E-01	6.40E-01	—	pCi/L	U	U	08-1667	CASA-08-14380	GELC
R-10a	6371	690	2/19/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.177	2.00E-01	7.10E-01	—	pCi/L	U	U	08-652	CASA-08-10566	GELC
R-10a	6371	690	11/15/2007	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.467	2.30E-01	6.90E-01	—	pCi/L	U	U	08-191	CASA-08-7427	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.481	1.60E+00	5.00E+00	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.13	1.40E+00	5.40E+00	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.94	1.30E+00	3.70E+00	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.08	1.10E+00	3.20E+00	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.199	1.20E-01	4.80E-01	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.255	1.50E-01	4.80E-01	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.307	1.00E-01	4.40E-01	—	pCi/L	U	U	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.108	1.20E-01	4.00E-01	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.3193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1778	CASA-10-9456	UMTL
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3710	UMTL
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10359	UMTL
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.35123	2.87E-01	2.87E-01	—	pCi/L	—	U	09-1856	CASA-09-8272	UMTL
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	2.87E-01	2.87E-01	—	pCi/L	—	U	09-919	CASA-09-2792	UMTL
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.15	1.10E-01	6.20E-02	—	pCi/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.17	1.00E-01	1.10E-01	—	pCi/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.41	1.10E-01	9.20E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.33	1.00E-01	7.60E-02	—	pCi/L	—	—	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0217	1.10E-02	4.90E-02	—	pCi/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0313	1.30E-02	5.30E-02	—	pCi/L	U	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.065	1.40E-02	4.30E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.041	1.10E-02	4.30E-02	—	pCi/L	U	U	09-890	CASA-09-2792	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.71	7.60E-02	4.40E-02	—	pCi/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.7	6.70E-02	5.30E-02	—	pCi/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.773	6.80E-02	4.60E-02	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	2/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.805	6.80E-02	4.80E-02	—	pCi/L	—	—	09-890	CASA-09-2792	GELC
R-11	5531	855	1/29/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.40E+00	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	8/10/2009	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	4/29/2009	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	2/5/2009	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	1/29/2010	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.033	—	—	3.30E-02	mg/L	J	J-	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-594	CASA-10-3714	GELC
R-11	5531	855	8/10/2009	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	4/29/2009	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	2/5/2009	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	1/29/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.51	—	—	3.30E-01	mg/L	J	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/2009	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-594	CASA-10-3714	GELC
R-11	5531	855	8/10/2009	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	4/29/2009	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	2/5/2009	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	1/29/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	4.24669	2.87E-01	2.87E-01	—	pCi/L	—	—	10-1599	CASA-10-9459	UMTL
R-11	5531	855	11/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	6.73723	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3714	UMTL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	8/10/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.36424	2.87E-01	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10366	UMTL
R-11	5531	855	4/29/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.23652	2.87E-01	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8274	UMTL
R-11	5531	855	2/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	5.52389	2.87E-01	2.87E-01	—	pCi/L	—	—	09-861	CASA-09-2783	UMTL
R-12	8401	459	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.953	—	—	7.30E-01	mg/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-280	CASA-09-875	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-280	CASA-09-9289	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.30E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.5	—	—	7.30E-01	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.243	—	—	1.60E-02	mg/L	—	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.172	—	—	1.60E-02	mg/L	—	J	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.153	—	—	1.60E-02	mg/L	—	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.277	—	—	1.60E-02	mg/L	—	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.296	—	—	3.00E-02	mg/L	—	J-	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.283	—	—	3.00E-02	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.102	—	—	6.60E-02	mg/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0999	—	—	6.60E-02	mg/L	J	J	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.3	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.8	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.6	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27	—	—	3.00E-02	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.7	—	—	6.60E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.8	—	—	6.60E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.301	—	—	3.30E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.286	—	—	3.30E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.4	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	92	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.4	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10379	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	5/7/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	92.1	—	—	3.50E-01	mg/L	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.2	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	103	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	76.4	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	90.3	—	—	3.50E-01	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.4	—	—	3.50E-01	mg/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	11/12/2008	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	89.2	—	—	3.50E-01	mg/L	—	—	09-280	CASA-09-874	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.01	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.71	—	—	8.50E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.41	—	—	8.50E-02	mg/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.14	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.258	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.351	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.193	—	—	5.00E-02	ug/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.236	—	—	5.00E-02	ug/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.263	—	—	5.00E-02	ug/L	—	J+	09-280	CASA-09-9289	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.263	—	—	5.00E-02	ug/L	—	J+	09-280	CASA-09-875	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.95	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.25	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.13	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.67	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.92	—	—	5.00E-02	mg/L	—	—	09-1788	CASA-09-8276	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	226	—	—	1.00E+00	uS/cm	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	253	—	—	1.00E+00	uS/cm	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	231	—	—	1.00E+00	uS/cm	—	—	09-280	CASA-09-875	GELC
R-12	8401	459	11/12/2008	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	231	—	—	1.00E+00	uS/cm	—	—	09-280	CASA-09-9289	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.76	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.93	—	—	1.00E-01	mg/L	—	J	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	2/20/2009	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	11/12/2008	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	11/12/2008	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	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.4	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.7	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.8	—	—	1.00E+00	ug/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33	—	—	1.50E+01	ug/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.3	—	—	1.50E+01	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33.1	—	—	1.50E+01	ug/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46	—	—	1.00E+01	ug/L	J	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	46	—	—	1.00E+01	ug/L	J	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	46.7	—	—	1.00E+01	ug/L	J	U	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.9	—	—	1.50E+01	ug/L	J	J	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.5	—	—	1.50E+01	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.4	—	—	1.50E+01	ug/L	J	J	09-2799	CASA-09-10380	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	48.9	—	—	1.00E+01	ug/L	J	J	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	48.9	—	—	1.00E+01	ug/L	J	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	5.26	—	—	3.00E+00	ug/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	131	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	161	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	126	—	—	2.00E+00	ug/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	137	—	—	2.00E+00	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	137	—	—	2.00E+00	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	173	—	—	2.00E+00	ug/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	136	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	153	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	126	—	—	2.00E+00	ug/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	149	—	—	2.00E+00	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	169	—	—	2.00E+00	ug/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.19	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.33	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.17	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.09	—	—	1.00E-01	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.4	—	—	1.00E-01	ug/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.07	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.36	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.15	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.1	—	—	1.00E-01	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.5	—	—	1.00E-01	ug/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.81	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.27	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.55	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	ug/L	J	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	ug/L	J	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.93	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.73	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.13	—	—	5.00E-01	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	ug/L	J	J	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.8	—	—	5.30E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.2	—	—	5.30E-02	mg/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	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	5/7/2009	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	5/7/2009	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	2/20/2009	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	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	118	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	106	—	—	1.00E+00	ug/L	—	—	09-982	CASA-09-3013	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	122	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	131	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	113	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.774	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.719	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.597	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.673	—	—	5.00E-02	ug/L	—	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.673	—	—	5.00E-02	ug/L	—	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	ug/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.813	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.727	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.695	—	—	5.00E-02	ug/L	—	J	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	5.00E-02	ug/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.85	—	—	3.30E+00	ug/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-483	CASA-10-3821	GELC
R-12	8401	459	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-1788	CASA-09-9293	GELC
R-12	8401	459	5/7/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	2/20/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	2.00E+00	ug/L	U	U	09-982	CASA-09-3013	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00205	3.60E-03	3.70E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00136	1.50E-03	2.80E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00593	3.40E-03	2.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0108	6.10E-03	3.90E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0146	9.20E-03	4.00E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.8	1.50E+00	4.10E+00	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.49	1.30E+00	4.50E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.46	1.40E+00	4.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.222	1.60E+00	4.70E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.19	1.10E+00	3.40E+00	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.24	2.00E+00	5.20E+00	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0479	1.40E+00	4.60E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0743	1.10E+00	3.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.07	1.70E+00	5.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.867	1.10E+00	3.50E+00	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.4	9.20E+00	3.40E+01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	32.7	1.70E+01	5.10E+01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	48.1	2.60E+01	6.40E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69.1	5.50E+01	6.50E+01	—	pCi/L	—	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	10.3	9.30E+00	1.80E+01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.5	1.40E+01	4.70E+01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-21.4	1.10E+01	3.20E+01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.199	9.80E+00	3.30E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0618	8.60E+00	2.80E+01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.83	8.00E+00	2.60E+01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00841	4.90E-03	4.60E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-2.17E-09	1.10E-02	3.70E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00175	6.30E-03	2.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-9.47E-10	4.90E-03	3.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00365	5.80E-03	2.60E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00919	6.00E-03	3.20E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-1.09E-09	6.40E-03	3.70E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.04E-10	2.50E-03	3.20E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00595	6.00E-03	3.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00183	4.80E-03	3.70E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.5	1.90E+01	7.00E+01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	26	2.40E+01	5.10E+01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.8	1.90E+01	6.50E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.6	1.60E+01	6.00E+01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-36.1	1.40E+01	3.70E+01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.633	1.80E-01	3.30E-01	—	pCi/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.369	1.30E-01	3.30E-01	—	pCi/L	—	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	8/20/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.505	1.80E-01	4.50E-01	—	pCi/L	—	U	08-1725	CASA-08-14847	GELC
R-12	8401	459	2/20/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.312	1.50E-01	4.30E-01	—	pCi/L	U	U	08-667	CASA-08-10575	GELC
R-12	8401	459	6/2/2004	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.137	5.87E-02	1.44E-01	—	pCi/L	U	U	114323	GU0405G12R101	GELC
R-12	8401	459	6/2/2004	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	7.48	3.89E+00	1.45E+01	—	pCi/L	U	U	114323	GU0405G12R101	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.159	2.10E-01	7.50E-01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.71	3.30E-01	9.70E-01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	8/20/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.386	2.00E-01	6.40E-01	—	pCi/L	U	U	08-1725	CASA-08-14847	GELC
R-12	8401	459	2/20/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	0.74	2.40E-01	6.20E-01	—	pCi/L	—	—	08-667	CASA-08-10575	GELC
R-12	8401	459	6/2/2004	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	12.9	5.71E+00	2.36E+01	—	pCi/L	U	U	114323	GU0405G12R101	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.41	1.70E+00	4.40E+00	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.52	1.60E+00	5.70E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.363	1.40E+00	4.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.209	1.60E+00	5.40E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.48	1.00E+00	3.70E+00	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0637	1.30E-01	4.80E-01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.168	9.30E-02	4.00E-01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.142	1.30E-01	4.20E-01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.215	1.20E-01	3.80E-01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0453	9.00E-02	3.80E-01	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.0776	2.55E+00	2.87E-01	—	pCi/L	—	—	10-1775	CASA-10-9446	UMTL
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	75.9934	2.55E+00	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3822	UMTL
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	73.7583	2.55E+00	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10380	UMTL
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	74.7162	2.55E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8276	UMTL
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	73.1197	2.55E+00	2.87E-01	—	pCi/L	—	—	09-1040	CASA-09-3011	UMTL
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.416	5.20E-02	6.50E-02	—	pCi/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.323	3.30E-02	6.00E-02	—	pCi/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.233	2.70E-02	6.90E-02	—	pCi/L	—	J-	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.329	3.80E-02	1.00E-01	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.304	3.30E-02	7.40E-02	—	pCi/L	—	—	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.033	1.40E-02	5.20E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0186	8.10E-03	3.00E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	4.50E-03	3.40E-02	—	pCi/L	U	UJ	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0158	7.20E-03	4.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0239	9.10E-03	3.40E-02	—	pCi/L	U	U	09-982	CASA-09-3011	GELC
R-12	8401	459	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.224	3.50E-02	4.60E-02	—	pCi/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.196	2.30E-02	3.70E-02	—	pCi/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	1.60E-02	3.40E-02	—	pCi/L	—	J-	09-2800	CASA-09-10380	GELC
R-12	8401	459	5/7/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	2.80E-02	5.10E-02	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	2/20/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.19	2.40E-02	4.40E-02	—	pCi/L	—	—	09-982	CASA-09-3011	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.91	—	—	7.30E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.1	—	—	7.30E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.2	—	—	7.30E-01	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.07	—	—	6.60E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.06	—	—	6.60E-02	mg/L	—	J	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.44	—	—	6.60E-02	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.275	—	—	3.30E-02	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.7	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	11/13/2008	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-300	CASA-09-868	GELC
R-12	8411	504.5	11/13/2008	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	8/19/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	<	237	—	—	3.50E-01	mg/L	—	R	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	8/19/2008	WG	F	RE	—	Geninorg	SM:A2340B	Hardness	—	59.7	—	—	3.50E-01	mg/L	—	—	08-1714	CASA-08-14363	GELC
R-12	8411	504.5	5/19/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	3.50E-01	mg/L	—	—	08-1168	CASA-08-12856	GELC
R-12	8411	504.5	2/21/2008	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.8	—	—	4.30E-01	mg/L	—	—	08-679	CASA-08-10578	GELC
R-12	8411	504.5	7/12/2006	WG	F	CS	SS	Geninorg	SM:A2340B	Hardness	—	45.7	—	—	2.00E-02	mg/L	—	—	167125	GF06050G12R201	GELC
R-12	8411	504.5	2/1/2006	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.5	—	—	8.50E-02	mg/L	—	—	155265	GF0601G12R201	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.5	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.84	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	J	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-887	CASA-09-3007	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	J	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.907	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.943	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.985	—	—	1.00E-01	ug/L	—	J	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.24	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.01	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.45	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.98	—	—	1.00E+01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.74	—	—	1.00E-01	mg/L	—	J	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.38	—	—	1.00E-01	mg/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-483	CASA-10-3824	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	8/5/2009	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	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.5	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20	—	—	1.00E+00	ug/L	*	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.3	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.5	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.8	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.5	—	—	1.00E+00	ug/L	*	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.21	—	—	2.50E+00	ug/L	J	J	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.51	—	—	1.50E+00	ug/L	J	J	09-1663	CASA-09-12366	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.09	—	—	2.50E+00	ug/L	J	J	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.9	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	37.7	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.5	—	—	2.00E+00	ug/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	38	—	—	2.00E+00	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	42.4	—	—	2.00E+00	ug/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	36.7	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	38.7	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	37.6	—	—	2.00E+00	ug/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	37.3	—	—	2.00E+00	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	43.3	—	—	2.00E+00	ug/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.46	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.65	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	ug/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.54	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	ug/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.661	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.572	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.58	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.98	—	—	5.00E-01	ug/L	J	J	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.514	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.538	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3825	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.561	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.57	—	—	5.00E-01	ug/L	J	J	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.2	—	—	5.30E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.8	—	—	5.30E-02	mg/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.8	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	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	2/11/2009	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	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.2	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.6	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.3	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.9	—	—	1.00E+00	ug/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.6	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.6	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.9	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	70.6	—	—	1.00E+00	ug/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.525	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.458	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.443	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	ug/L	—	—	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.516	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.488	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	ug/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.79	—	—	1.00E+00	ug/L	J	J	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.22	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	8/5/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	ug/L	J	J	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	4/29/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.77	—	—	1.00E+00	ug/L	J	J	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	2/11/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	4.2	—	—	1.00E+00	ug/L	J	U	09-887	CASA-09-3007	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.81	—	—	1.00E+00	ug/L	J	J	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.18	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.33	—	—	1.00E+00	ug/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.05	—	—	1.00E+00	ug/L	J	J	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	4.4	—	—	1.00E+00	ug/L	J	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00655	3.70E-03	3.30E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00493	2.80E-03	3.00E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0015	1.90E-03	2.30E-02	—	pCi/L	U	UJ	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00471	3.20E-03	3.80E-02	—	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	<	-0.000619	6.40E-03	5.80E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.441	1.80E+00	5.80E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0936	1.60E+00	5.10E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.02	1.50E+00	3.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	1.50E+00	5.30E+00	—	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	<	0.968	1.50E+00	5.00E+00	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.97	1.70E+00	6.50E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.801	1.60E+00	5.60E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.33	1.20E+00	3.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.59	1.50E+00	4.40E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.02	1.70E+00	5.80E+00	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.22	2.70E+00	9.20E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.8	2.00E+01	3.40E+01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	65.2	2.60E+01	7.40E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	75.7	2.40E+01	6.20E+01	—	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	<	25.8	1.60E+01	3.70E+01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.6	8.50E+00	2.60E+01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.07	1.00E+01	3.30E+01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	9.10E+00	3.10E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.3	1.30E+01	4.00E+01	—	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	<	12.7	1.10E+01	3.40E+01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0234	1.10E-02	5.10E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00745	1.10E-02	3.10E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00952	1.00E-02	3.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	3.00E-03	3.30E-02	—	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	<	0.00247	7.40E-03	3.40E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0237	8.30E-03	3.50E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0168	6.80E-03	3.10E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00238	4.10E-03	4.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0125	5.20E-03	4.00E-02	—	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	<	0.00247	6.50E-03	4.90E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.5	2.40E+01	8.50E+01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.4	1.60E+01	5.10E+01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.5	2.00E+01	5.70E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.11	1.80E+01	5.50E+01	—	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	<	-17.1	2.00E+01	6.70E+01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.08	1.20E-01	4.30E-01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.171	8.60E-02	2.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.754	2.50E-01	6.80E-01	—	pCi/L	—	U	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	—	0.705	2.30E-01	6.00E-01	—	pCi/L	—	—	08-679	CASA-08-10576	GELC
R-12	8411	504.5	1/28/2004	WG	UF	CS	—	Rad	EPA:901.1	Radium-226	<	5.84	4.12E+00	5.72E+00	—	pCi/L	—	U	106416	GU0311G12R201	GELC
R-12	8411	504.5	1/28/2004	WG	UF	CS	—	Rad	EPA:903.1	Radium-226	<	0.242	1.14E-01	2.97E-01	—	pCi/L	U	U	106416	GU0311G12R201	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.482	2.30E-01	7.10E-01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.651	2.60E-01	7.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	8/19/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	—	1.31	2.80E-01	5.20E-01	—	pCi/L	—	—	08-1714	CASA-08-14365	GELC
R-12	8411	504.5	2/21/2008	WG	UF	CS	—	Rad	EPA:904	Radium-228	<	0.106	1.40E-01	5.10E-01	—	pCi/L	U	U	08-679	CASA-08-10576	GELC
R-12	8411	504.5	1/28/2004	WG	UF	CS	—	Rad	EPA:901.1	Radium-228	<	12.1	3.51E+00	1.29E+01	—	pCi/L	U	U	106416	GU0311G12R201	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.4	1.80E+00	6.30E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.102	1.50E+00	4.80E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.66	1.10E+00	4.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.429	1.40E+00	4.60E+00	—	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	<	-0.123	1.60E+00	5.30E+00	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.103	1.20E-01	4.80E-01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0289	1.30E-01	5.30E-01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.351	1.40E-01	4.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0688	8.90E-02	3.10E-01	—	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	<	0.192	1.30E-01	4.30E-01	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	53.0038	1.92E+00	2.87E-01	—	pCi/L	—	—	10-1775	CASA-10-9447	UMTL
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	54.281	1.92E+00	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3825	UMTL
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	52.0459	1.60E+00	2.87E-01	—	pCi/L	—	—	09-2844	CASA-09-10383	UMTL
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	50.1301	1.60E+00	2.87E-01	—	pCi/L	—	—	09-1748	CASA-09-8279	UMTL
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	55.5582	1.92E+00	2.87E-01	—	pCi/L	—	—	09-868	CASA-09-3010	UMTL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	67.11686	1.82E+01	6.86E+00	—	pCi/L	—	—	09-869	CASA-09-9290	ARSL
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.311	4.20E-02	6.20E-02	—	pCi/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.299	3.30E-02	6.50E-02	—	pCi/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.262	2.80E-02	6.30E-02	—	pCi/L	—	—	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.34	4.20E-02	1.30E-01	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.278	2.90E-02	6.60E-02	—	pCi/L	—	—	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0363	1.40E-02	4.90E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0203	8.20E-03	3.30E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00204	4.60E-03	3.10E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0393	1.30E-02	5.90E-02	—	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	<	0.0167	6.00E-03	3.70E-02	—	pCi/L	U	U	09-887	CASA-09-3010	GELC
R-12	8411	504.5	2/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	2.50E-02	4.40E-02	—	pCi/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.142	2.10E-02	4.00E-02	—	pCi/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	8/5/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0975	1.60E-02	3.10E-02	—	pCi/L	—	—	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	4/29/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.165	2.70E-02	6.40E-02	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	2/11/2009	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.16	2.00E-02	4.20E-02	—	pCi/L	—	—	09-887	CASA-09-3010	GELC
R-35a	8331	1013.1	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9464	UMTL
R-35a	8331	1013.1	11/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	10-522	CASA-10-3827	UMTL
R-35a	8331	1013.1	8/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.28737	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10387	UMTL
R-35a	8331	1013.1	4/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8305	UMTL
R-35a	8331	1013.1	2/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-861	CASA-09-3015	UMTL
R-35b	8351	825.4	2/11/2010	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9470	UMTL
R-35b	8351	825.4	2/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.22351	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1903	CASA-10-9469	UMTL
R-35b	8351	825.4	11/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-336	CASA-10-3830	UMTL
R-35b	8351	825.4	8/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2775	CASA-09-10392	UMTL
R-35b	8351	825.4	4/27/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8424	UMTL
R-35b	8351	825.4	4/27/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.15965	2.87E-01	2.87E-01	—	pCi/L	U	U	09-1645	CASA-09-8309	UMTL
R-35b	8351	825.4	2/2/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	09-805	CASA-09-3021	UMTL
R-35b	8351	825.4	2/2/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-805	CASA-09-3019	UMTL
R-36	8431	766.9	2/4/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.61519	6.39E-01	2.87E-01	—	pCi/L	—	—	10-1658	CASA-10-9493	UMTL
R-36	8431	766.9	11/4/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	19.63695	6.39E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3854	UMTL
R-36	8431	766.9	11/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.17976	6.71E-01	2.87E-01	—	pCi/L	—	—	10-522	CASA-10-3834	UMTL
R-36	8431	766.9	8/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	18.96642	6.39E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10376	UMTL
R-36	8431	766.9	8/5/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	20.14783	6.71E-01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10373	UMTL
R-36	8431	766.9	4/28/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	20.05204	6.71E-01	2.87E-01	—	pCi/L	—	—	09-1645	CASA-09-8311	UMTL
R-36	8431	766.9	2/5/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	19.92432	6.71E-01	2.87E-01	—	pCi/L	—	—	09-861	CASA-09-3025	UMTL
R-43	8651	903.9	2/2/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.03193	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9484	UMTL
R-43	8651	903.9	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.40492	2.87E-01	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3858	UMTL
R-43	8651	903.9	8/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10397	UMTL
R-43	8651	903.9	6/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.25544	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10501	UMTL
R-43	8651	903.9	11/5/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	2.87E-01	2.87E-01	—	pCi/L	—	U	09-266	CASA-09-1018	UMTL
R-43	8661	969.1	2/2/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.39	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9839	GELC
R-43	8661	969.1	2/2/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-636	CASA-10-3897	GELC
R-43	8661	969.1	11/19/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.79	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	8/18/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2939	CASA-09-10404	GELC
R-43	8661	969.1	8/18/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	6/18/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3.4	—	—	1.50E+00	ug/L	—	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	6/18/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	2.04	—	—	1.50E+00	ug/L	J	U	09-2408	CAMO-09-10512	GELC
R-43	8661	969.1	11/10/2008	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	2.2	—	—	1.50E+00	ug/L	J	J	09-259	CASA-09-1027	GELC
R-43	8661	969.1	11/10/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1.8	—	—	1.50E+00	ug/L	J	J	09-259	CASA-09-1024	GELC
R-43	8661	969.1	11/10/2008	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-261	CASA-09-1026	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	2/2/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	10-1599	CASA-10-9486	UMTL
R-43	8661	969.1	11/19/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-661	CASA-10-3861	UMTL
R-43	8661	969.1	8/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2941	CASA-09-10402	UMTL
R-43	8661	969.1	6/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	2.87E-01	2.87E-01	—	pCi/L	U	U	09-2460	CAMO-09-10508	UMTL
R-43	8661	969.1	11/10/2008	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.12772	2.87E-01	2.87E-01	—	pCi/L	U	U	09-266	CASA-09-1028	UMTL
Sandia below Wetlands	—	—	1/29/2010	WS	UF	CS	—	Geninorg	EPA:160.2	SSC	—	43.2	—	—	2.30E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/4/2009	WS	UF	CS	—	Geninorg	EPA:160.2	SSC	—	2.4	—	—	2.30E+00	mg/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	8/7/2009	WS	UF	CS	—	Geninorg	EPA:160.2	SSC	—	6.6	—	—	1.10E+00	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	5/5/2009	WS	UF	CS	FD	Geninorg	EPA:160.2	SSC	—	8	—	—	2.30E+00	mg/L	J	J	09-1746	CASA-09-8232	GELC
Sandia below Wetlands	—	—	5/5/2009	WS	UF	CS	—	Geninorg	EPA:160.2	SSC	—	7.2	—	—	1.10E+00	mg/L	—	—	09-1746	CASA-09-8234	GELC
Sandia below Wetlands	—	—	2/9/2009	WS	UF	CS	—	Geninorg	EPA:160.2	SSC	—	2.2	—	—	1.10E+00	mg/L	J	J	09-849	CASA-09-2743	GELC
Sandia below Wetlands	—	—	1/29/2010	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	4400	—	—	2.40E+00	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/4/2009	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	382	—	—	2.40E+00	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	8/7/2009	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	—	—	5/5/2009	WS	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	535	—	—	2.40E+00	mg/L	—	—	09-1746	CASA-09-8236	GELC
Sandia below Wetlands	—	—	5/5/2009	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	—	—	2/9/2009	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	—	—	1/29/2010	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.338	—	—	3.30E-02	mg/L	—	J-	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/4/2009	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.191	—	—	3.30E-02	mg/L	—	—	10-365	CASA-10-3595	GELC
Sandia below Wetlands	—	—	8/7/2009	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	—	—	5/5/2009	WS	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.591	—	—	3.30E-02	mg/L	—	J-	09-1745	CASA-09-8232	GELC
Sandia below Wetlands	—	—	5/5/2009	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	—	—	2/9/2009	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	—	—	1/29/2010	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	96.6	—	—	3.30E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/4/2009	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.45	—	—	3.30E-01	mg/L	—	—	10-365	CASA-10-3595	GELC
Sandia below Wetlands	—	—	8/7/2009	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	—	—	5/5/2009	WS	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	5.71	—	—	3.30E-01	mg/L	—	—	09-1745	CASA-09-8232	GELC
Sandia below Wetlands	—	—	5/5/2009	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	—	—	2/9/2009	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	—	—	1/29/2010	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.46	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9834	GELC
Sandia below Wetlands	—	—	11/11/2009	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	ug/L	J	J	10-526	CASA-10-3892	GELC
Sandia below Wetlands	—	—	11/4/2009	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.41	—	—	2.50E+00	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	8/7/2009	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	2.56	—	—	2.50E+00	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	5/5/2009	WS	F	CS	FD	Metals	SW-846:6020	Chromium	—	2.4	—	—	1.50E+00	ug/L	J	J	09-1746	CASA-09-8236	GELC
Sandia below Wetlands	—	—	5/5/2009	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	1.50E+00	ug/L	—	—	09-1746	CASA-09-8237	GELC
Sandia below Wetlands	—	—	2/9/2009	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.9	—	—	7.50E+00	ug/L	J	J	09-849	CASA-09-2744	GELC
SCA-1-DP	8751	2.16	1/25/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.92	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9835	GELC
SCA-1-DP	8751	2.16	11/2/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.78	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	11/2/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3893	GELC
SCA-1-DP	8751	2.16	8/3/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.5	—	—	2.50E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	4/29/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	1.50E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	2/20/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.5	—	—	1.50E+00	ug/L	—	U	09-969	CASA-09-2858	GELC
SCI-1	8211	358.4	2/5/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	83.3373	2.87E+00	2.87E-01	—	pCi/L	—	—	10-1680	CASA-10-9452	UMTL
SCI-1	8211	358.4	11/18/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	97.7058	3.19E+00	2.87E-01	—	pCi/L	—	—	10-661	CASA-10-3665	UMTL
SCI-1	8211	358.4	8/3/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	87.8075	2.87E+00	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10350	UMTL
SCI-1	8211	358.4	5/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	93.8742	3.19E+00	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8266	UMTL
SCI-1	8211	358.4	2/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	101.2181	3.19E+00	2.87E-01	—	pCi/L	—	—	09-919	CASA-09-2779	UMTL
SCI-2	8601	548	2/8/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	472.564	1.60E+01	2.87E-01	—	pCi/L	—	—	10-1697	CASA-10-9489	UMTL
SCI-2	8601	548	11/17/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.915	1.60E+01	2.87E-01	—	pCi/L	—	—	10-582	CASA-10-3716	UMTL
SCI-2	8601	548	8/4/2009	WG	UF	CS	FD	Rad	LLEE	Tritium	—	472.564	1.60E+01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10371	UMTL
SCI-2	8601	548	8/4/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	485.336	1.60E+01	2.87E-01	—	pCi/L	—	—	09-2775	CASA-09-10367	UMTL
SCI-2	8601	548	5/6/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	494.915	1.60E+01	2.87E-01	—	pCi/L	—	—	09-1856	CASA-09-8313	UMTL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	2/13/2009	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	374.754	6.11E+01	1.81E+02	—	pCi/L	—	—	09-932	CASA-09-2992	ARSL
SCI-2	8601	548	2/13/2009	WG	UF	CS	—	Rad	LLEE	Tritium	—	498.108	1.60E+01	2.87E-01	—	pCi/L	—	—	09-919	CASA-09-2992	UMTL
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Geninorg	Field	Dissolved Oxygen	—	7.85	—	—	—	mg/L	—	—	0	CASA-10-9841	FLD
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	Field	Dissolved Oxygen	—	7.9	—	—	—	mg/L	—	—	0	CASA-10-3561	FLD
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	UF	CS	—	Geninorg	Field	Dissolved Oxygen	—	7.85	—	—	—	mg/L	—	—	0	CASA-10-9406	FLD
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	UF	CS	—	Geninorg	Field	Dissolved Oxygen	—	6.84	—	—	—	mg/L	—	—	0	CASA-09-10313	FLD
South Fork of Sandia Canyon at E122	—	—	5/7/2009	WS	UF	CS	—	Geninorg	Field	Dissolved Oxygen	—	6.51	—	—	—	mg/L	—	—	0	CASA-09-8226	FLD
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Geninorg	Field	pH	—	7.75	—	—	—	SU	—	—	0	CASA-10-9841	FLD
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.46	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3592	GELC
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.5	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	Field	pH	—	8.13	—	—	—	SU	—	—	0	CASA-10-3561	FLD
South Fork of Sandia Canyon at E122	—	—	8/13/2009	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	—	—	8/13/2009	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	—	—	5/7/2009	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.63	—	—	1.00E-02	SU	H	J-	09-1792	CASA-09-8229	GELC
South Fork of Sandia Canyon at E122	—	—	5/7/2009	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	—	—	2/1/2010	WS	F	CS	—	Geninorg	Field	Specific Conductance	—	826	—	—	—	uS/cm	—	—	0	CASA-10-9841	FLD
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	793	—	—	1.00E+00	uS/cm	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	435	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3592	GELC
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	Field	Specific Conductance	—	445	—	—	—	uS/cm	—	—	0	CASA-10-3561	FLD
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	468	—	—	1.00E+00	uS/cm	—	—	09-2872	CASA-09-10317	GELC
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	uS/cm	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	5/7/2009	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	272	—	—	1.00E+00	uS/cm	—	—	09-1792	CASA-09-8229	GELC
South Fork of Sandia Canyon at E122	—	—	5/7/2009	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	266	—	—	1.00E+00	uS/cm	—	—	09-1792	CASA-09-8227	GELC
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Geninorg	Field	Temperature	—	8.67	—	—	—	deg C	—	—	0	CASA-10-9841	FLD
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	Field	Temperature	—	15.45	—	—	—	deg C	—	—	0	CASA-10-3561	FLD

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	UF	CS	—	Geninorg	Field	Temperature	—	8.67	—	—	—	deg C	—	—	0	CASA-10-9406	FLD
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	UF	CS	—	Geninorg	Field	Temperature	—	22.56	—	—	—	deg C	—	—	0	CASA-09-10313	FLD
South Fork of Sandia Canyon at E122	—	—	5/7/2009	WS	UF	CS	—	Geninorg	Field	Temperature	—	21.97	—	—	—	deg C	—	—	0	CASA-09-8226	FLD
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	F	CS	—	Geninorg	Field	Turbidity	—	6.62	—	—	—	NTU	—	—	0	CASA-10-9841	FLD
South Fork of Sandia Canyon at E122	—	—	11/2/2009	WS	F	CS	—	Geninorg	Field	Turbidity	—	3.07	—	—	—	NTU	—	—	0	CASA-10-3561	FLD
South Fork of Sandia Canyon at E122	—	—	2/1/2010	WS	UF	CS	—	Geninorg	Field	Turbidity	—	6.62	—	—	—	NTU	—	—	0	CASA-10-9406	FLD
South Fork of Sandia Canyon at E122	—	—	8/13/2009	WS	UF	CS	—	Geninorg	Field	Turbidity	—	3.16	—	—	—	NTU	—	—	0	CASA-09-10313	FLD
South Fork of Sandia Canyon at E122	—	—	5/7/2009	WS	UF	CS	—	Geninorg	Field	Turbidity	—	13.5	—	—	—	NTU	—	—	0	CASA-09-8226	FLD

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.4	—	—	7.30E-01	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.2	—	—	7.30E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	99.3	—	—	6.60E-01	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	23.2	—	—	1.30E-01	mg/L	—	J+	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.4	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	131	—	—	1.30E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.291	—	—	3.30E-02	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.209	—	—	3.30E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.4	—	—	3.30E-02	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.469	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.344	—	—	3.30E-02	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.1	—	—	5.00E-02	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.67	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.74	—	—	5.00E-02	mg/L	—	J	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.51	—	—	1.00E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.11	—	—	1.00E-01	ug/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.977	—	—	5.00E-02	ug/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.808	—	—	5.00E-02	ug/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.421	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.794	—	—	5.00E-02	ug/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	558	—	—	1.00E+00	uS/cm	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	uS/cm	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	284	—	—	1.00E+00	uS/cm	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	361	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	648	—	—	1.00E+00	uS/cm	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.5	—	—	1.00E-01	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.42	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.09	—	—	1.00E-01	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.75	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.3	—	—	1.00E-01	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	330	—	—	2.40E+00	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	369	—	—	2.40E+00	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	1290	—	—	2.40E+00	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	11/05/09	WG	F	RE	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	296	—	—	2.40E+00	mg/L	H	J-	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	212	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	387	—	—	2.40E+00	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.249	—	—	3.30E-02	mg/L	—	—	10-3182	CAMO-10-16711	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1590	CAMO-10-9308	GELC
MCO-3	4561	2	11/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.592	—	—	3.30E-02	mg/L	—	J-	10-377	CAMO-10-3089	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.19	—	—	3.30E-01	mg/L	—	—	10-3182	CAMO-10-16711	GELC
MCO-3	4561	2	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.27	—	—	3.30E-01	mg/L	—	—	10-1590	CAMO-10-9308	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.09	—	—	6.60E-01	mg/L	—	—	10-377	CAMO-10-3089	GELC
MCO-3	4561	2	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	8.12	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9487	GELC
MCO-3	4561	2	04/30/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.12	—	—	3.30E-01	mg/L	—	—	09-1676	CAMO-09-8408	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	1.00E-02	SU	H	J-	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.24	—	—	1.00E-02	SU	H	J-	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.45	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.43	—	—	1.00E-02	SU	H	J-	09-1676	CAMO-09-8409	GELC
MCO-3	4561	2	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.1	—	—	5.30E-02	mg/L	—	—	10-3182	CAMO-10-16712	GELC
MCO-3	4561	2	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	29.8	—	—	5.30E-02	mg/L	—	—	10-1591	CAMO-10-9310	GELC
MCO-3	4561	2	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-377	CAMO-10-3090	GELC
MCO-3	4561	2	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.1	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9488	GELC
MCO-3	4561	2	04/30/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	29.8	—	—	3.20E-02	mg/L	—	—	09-1676	CAMO-09-8409	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	122	—	—	7.30E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.028	—	—	1.60E-02	mg/L	J	J-	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.062	—	—	1.60E-02	mg/L	—	U	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.142	—	—	1.60E-02	mg/L	—	J	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.098	—	—	1.60E-02	mg/L	—	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	118	—	—	6.60E-01	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	36.1	—	—	3.30E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	50.6	—	—	6.60E-01	mg/L	—	J	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.4	—	—	6.60E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.575	—	—	3.30E-02	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.726	—	—	3.30E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.631	—	—	3.30E-02	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.717	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.875	—	—	5.00E-02	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.08	—	—	5.00E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.05	—	—	5.00E-02	mg/L	—	J	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.51	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.07	—	—	5.00E-01	ug/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	3.3	—	—	2.50E-01	ug/L	—	J	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.05	—	—	5.00E-01	ug/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.23	—	—	1.30E+00	ug/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.71	—	—	5.00E-01	ug/L	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	623	—	—	1.00E+00	uS/cm	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	385	—	—	1.00E+00	uS/cm	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	uS/cm	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	453	—	—	1.00E+00	uS/cm	—	—	09-2924	CAMO-09-9500	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-4B	4581	8.9	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	458	—	—	1.00E+00	uS/cm	—	—	09-1719	CAMO-09-8143	GELC
MCO-4B	4581	8.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.7	—	—	1.00E-01	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.17	—	—	1.00E-01	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.31	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	373	—	—	2.40E+00	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	256	—	—	2.40E+00	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	281	—	—	2.40E+00	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	290	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.093	—	—	3.30E-02	mg/L	J	J	10-3182	CAMO-10-16713	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1616	CAMO-10-9281	GELC
MCO-4B	4581	8.9	11/09/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.074	—	—	3.30E-02	mg/L	J	J	10-430	CAMO-10-3092	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.773	—	—	3.30E-02	mg/L	—	J-	09-2923	CAMO-09-9498	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.73	—	—	3.30E-01	mg/L	—	—	10-3182	CAMO-10-16713	GELC
MCO-4B	4581	8.9	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.32	—	—	3.30E-01	mg/L	—	—	10-1616	CAMO-10-9281	GELC
MCO-4B	4581	8.9	11/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.42	—	—	3.30E-01	mg/L	—	—	10-430	CAMO-10-3092	GELC
MCO-4B	4581	8.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.03	—	—	3.30E-01	mg/L	—	—	09-2923	CAMO-09-9498	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.23	—	—	1.00E-02	SU	H	J-	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.1	—	—	1.00E-02	SU	H	J-	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.13	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34.9	—	—	5.30E-02	mg/L	—	—	10-3182	CAMO-10-16714	GELC
MCO-4B	4581	8.9	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	10-1617	CAMO-10-9280	GELC
MCO-4B	4581	8.9	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.7	—	—	5.30E-02	mg/L	—	—	10-430	CAMO-10-3091	GELC
MCO-4B	4581	8.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	36.5	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9500	GELC
MCO-4B	4581	8.9	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-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	118	—	—	7.30E-01	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	122	—	—	7.30E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	111	—	—	7.30E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	40.2	—	—	6.60E-01	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.2	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.2	—	—	6.60E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.7	—	—	6.60E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.872	—	—	3.30E-02	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.941	—	—	3.30E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.77	—	—	3.30E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.875	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	J	10-3128	CAMO-10-16716	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.04	—	—	5.00E-02	mg/L	—	J+	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.4	—	—	5.00E-02	mg/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.61	—	—	5.00E-01	ug/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.04	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	ug/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.26	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.34	—	—	5.00E-01	ug/L	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	442	—	—	1.00E+00	uS/cm	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	475	—	—	1.00E+00	uS/cm	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	486	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	487	—	—	1.00E+00	uS/cm	—	—	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.24	—	—	1.00E-01	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.78	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.31	—	—	1.00E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.62	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	275	—	—	2.40E+00	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	293	—	—	2.40E+00	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	266	—	—	2.40E+00	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	274	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.29	—	—	3.30E-01	mg/L	—	—	10-3128	CAMO-10-16715	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.65	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	11/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.66	—	—	3.30E-01	mg/L	—	—	10-447	CAMO-10-3094	GELC
MCO-6	4601	27	08/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.5	—	—	3.30E-01	mg/L	—	—	09-2857	CAMO-09-9507	GELC
MCO-6	4601	27	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	05/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.09	—	—	1.50E-02	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.116	—	—	1.50E-02	mg/L	—	U	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.137	—	—	1.50E-02	mg/L	—	U	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.108	—	—	1.50E-02	mg/L	—	U	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	05/05/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.091	—	—	1.50E-02	mg/L	—	U	09-1732	CAMO-09-8145	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.18	—	—	1.00E-02	SU	H	J-	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.95	—	—	1.00E-02	SU	H	J-	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.06	—	—	1.00E-02	SU	H	J-	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.99	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.8	—	—	5.30E-02	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.5	—	—	5.30E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	08/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.9	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9505	GELC
MCO-6	4601	27	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-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	115	—	—	7.30E-01	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	113	—	—	7.30E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	08/13/09	WG	F	CS	—	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	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51.9	—	—	6.60E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	59.5	—	—	6.60E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.01	—	—	3.30E-02	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.958	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.932	—	—	3.30E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.07	—	—	3.30E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.36	—	—	5.00E-02	mg/L	—	J	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.49	—	—	5.00E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.3	—	—	5.00E-02	mg/L	—	J	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.54	—	—	5.00E-01	ug/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.26	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	11.7	—	—	1.00E+00	ug/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	12	—	—	1.30E+00	ug/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	9.97	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	498	—	—	1.00E+00	uS/cm	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	472	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	451	—	—	1.00E+00	uS/cm	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	486	—	—	1.00E+00	uS/cm	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	469	—	—	1.00E+00	uS/cm	—	—	09-1719	CAMO-09-8148	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.06	—	—	1.00E-01	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.61	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.43	—	—	1.00E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.1	—	—	1.00E-01	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	273	—	—	2.40E+00	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	269	—	—	2.40E+00	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.23	—	—	3.30E-01	mg/L	—	—	10-3128	CAMO-10-16717	GELC
MCO-7	4631	39	01/28/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.18	—	—	3.30E-01	mg/L	—	—	10-1497	CAMO-10-9289	GELC
MCO-7	4631	39	11/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.72	—	—	3.30E-01	mg/L	—	—	10-447	CAMO-10-3095	GELC
MCO-7	4631	39	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.23	—	—	3.30E-01	mg/L	—	—	09-2875	CAMO-09-9514	GELC
MCO-7	4631	39	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	05/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.205	—	—	1.50E-02	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.264	—	—	1.50E-02	mg/L	—	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.32	—	—	1.50E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.292	—	—	1.50E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.01	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.09	—	—	1.00E-02	SU	H	J-	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	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	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.5	—	—	5.30E-02	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.3	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	09-2875	CAMO-09-9512	GELC
MCO-7	4631	39	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
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.9	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.4	—	—	7.30E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	32.3	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	36.8	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.055	—	—	1.60E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.033	—	—	1.60E-02	mg/L	J	J-	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0624	—	—	1.60E-02	mg/L	—	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.076	—	—	1.60E-02	mg/L	—	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.408	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.408	—	—	6.60E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.399	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.394	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.8	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	30	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.2	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.9	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.1	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.1	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.5	—	—	1.30E-01	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	20.3	—	—	1.30E-01	mg/L	—	J+	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	19.1	—	—	1.30E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.7	—	—	1.30E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00261	—	—	1.70E-03	mg/L	J	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00203	—	—	1.70E-03	mg/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/29/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00268	—	—	1.50E-03	mg/L	J	J	08-1259	CAMO-08-12734	GELC
MCOI-4	5981	499	11/12/07	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00193	—	—	1.50E-03	mg/L	J	J	08-167	CAMO-08-8616	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.219	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.259	—	—	3.30E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.263	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.323	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.362	—	—	3.30E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.7	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	94.2	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.3	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	85.6	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.9	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.3	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.4	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.2	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.29	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.16	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.14	—	—	8.50E-02	mg/L	—	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.4	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.4	—	—	2.50E-01	mg/L	—	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.08	—	—	2.50E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	8.88	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.68	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	51.7	—	—	5.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	50.2	—	—	5.00E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	61.1	—	—	5.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	64.8	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	61.7	—	—	5.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.716	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.745	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.649	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.701	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.695	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.616	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.646	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.746	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.4	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.3	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.3	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.1	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.4	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.3	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3116	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	Sodium	—	19	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	285	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	267	—	—	1.00E+00	uS/cm	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	265	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	270	—	—	1.00E+00	uS/cm	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	278	—	—	1.00E+00	uS/cm	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.6	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.7	—	—	1.00E-01	mg/L	—	J+	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	21.9	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	246	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	245	—	—	2.40E+00	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	233	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	241	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.038	—	—	3.30E-02	mg/L	J	J	10-3023	CAMO-10-16726	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.14	—	—	3.30E-02	mg/L	—	J-	10-396	CAMO-10-3116	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.619	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16726	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.1	—	—	3.30E-01	mg/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.03	—	—	3.30E-01	mg/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	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	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.25	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	J-	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.49	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.27	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	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	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.79	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.04	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.5	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.9	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.7	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22	—	—	1.50E+01	ug/L	J	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.3	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.3	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.00E+01	ug/L	J	J	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.22	—	—	2.50E+00	ug/L	J	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.9	—	—	2.50E+00	ug/L	J	U	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.59	—	—	2.50E+00	ug/L	J	J	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.94	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.47	—	—	1.50E+00	ug/L	—	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.51	—	—	3.00E+00	ug/L	—	U	09-1744	CAMO-09-11415	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.5	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10.5	—	—	2.50E+00	ug/L	—	U	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.37	—	—	2.50E+00	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.45	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	19.1	—	—	3.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.84	—	—	3.00E+00	ug/L	J	J	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	38.3	—	—	3.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.42	—	—	3.00E+00	ug/L	J	J	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13.4	—	—	3.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	24.9	—	—	3.00E+00	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.6	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	17.7	—	—	3.00E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	26.2	—	—	3.00E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	93.8	—	—	3.00E+01	ug/L	J	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	55.6	—	—	3.00E+01	ug/L	J	J	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	44	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.19	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	4.04	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.85	—	—	5.00E-01	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	6.82	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.572	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.681	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16727	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.867	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.805	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.752	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.735	—	—	1.00E-01	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.809	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.923	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.783	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.719	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.14	—	—	5.00E-01	ug/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.61	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.53	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.72	—	—	5.00E-01	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.94	—	—	5.00E-01	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.95	—	—	5.00E-01	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.8	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.03	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.14	—	—	5.00E-01	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.7	—	—	5.30E-02	mg/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.7	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.7	—	—	3.20E-02	mg/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	—	0.362	—	—	2.00E-01	ug/L	J	J	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	118	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	130	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	124	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	115	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	128	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.3	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16727	GELC
MCOI-4	5981	499	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.1	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9311	GELC
MCOI-4	5981	499	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	170	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3117	GELC
MCOI-4	5981	499	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.8	—	—	3.30E+00	ug/L	—	—	09-2807	CAMO-09-9528	GELC
MCOI-4	5981	499	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	45.9	—	—	2.00E+00	ug/L	—	—	09-1743	CAMO-09-8155	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.4	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28.8	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.2	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3116	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.9	—	—	3.30E+00	ug/L	—	—	09-2807	CAMO-09-9527	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	5570	1.90E+02	1.60E+02	—	pCi/L	—	—	10-3025	CAMO-10-16726	GELC
MCOI-4	5981	499	01/26/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6350	2.37E+02	5.40E+02	—	pCi/L	—	—	10-1442	CAMO-10-9313	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6430	2.17E+02	1.90E+02	—	pCi/L	—	—	10-396	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6710	2.27E+02	2.00E+02	—	pCi/L	—	—	09-2808	CAMO-09-9527	GELC
MCOI-4	5981	499	02/11/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7150	2.43E+02	1.70E+02	—	pCi/L	—	—	09-866	CAMO-09-2595	GELC
MCOI-4	5981	499	05/04/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	32.3	—	—	2.20E+00	ug/L	—	—	10-3023	CAMO-10-16726	GELC
MCOI-4	5981	499	11/05/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	27.6	—	—	2.10E+00	ug/L	—	—	10-395	CAMO-10-3116	GELC
MCOI-4	5981	499	08/07/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	34.1	—	—	2.50E+00	ug/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	ug/L	—	J	09-1742	CAMO-09-8156	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.1	—	—	7.30E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.7	—	—	7.30E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	7.30E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.5	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.137	—	—	6.60E-02	mg/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.125	—	—	6.60E-02	mg/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.119	—	—	6.60E-02	mg/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.104	—	—	6.60E-02	mg/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.21	—	—	6.60E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.68	—	—	6.60E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.5	—	—	6.60E-02	mg/L	—	J+	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.99	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.39	—	—	6.60E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	3.30E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.239	—	—	3.30E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.504	—	—	3.30E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.386	—	—	3.30E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.7	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.8	—	—	3.50E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.2	—	—	3.50E-01	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.93	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.61	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.18	—	—	2.50E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.2	—	—	2.50E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.07	—	—	1.00E-01	mg/L	—	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.63	—	—	1.00E-01	mg/L	—	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	91.9	—	—	1.00E+01	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	84.5	—	—	1.00E+01	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	88.3	—	—	1.30E+01	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	85.6	—	—	1.00E+01	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.7	—	—	1.30E+01	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.553	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.492	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.479	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.495	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	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	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.592	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.482	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.448	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.477	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.5	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9532	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	4.50E-02	mg/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	201	—	—	1.00E+00	uS/cm	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.9	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.3	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.40E+00	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.399	—	—	3.30E-01	mg/L	J	J	10-3006	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.85	—	—	3.30E-01	mg/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.503	—	—	3.30E-01	mg/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.761	—	—	3.30E-01	mg/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J-	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.9	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.2	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.1	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	1.50E+01	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	1.50E+01	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23	—	—	1.00E+01	ug/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23	—	—	1.00E+01	ug/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.9	—	—	1.50E+01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2807	CAMO-09-9532	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	22.3	—	—	1.00E+01	ug/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.06	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.74	—	—	2.50E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	2.50E+00	ug/L	J	J	10-1414	CAMO-10-9726	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	ug/L	J	J	10-417	CAMO-10-3898	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.50E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2807	CAMO-09-10298	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.14	—	—	1.50E+00	ug/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.49	—	—	1.50E+00	ug/L	—	—	09-1718	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.49	—	—	1.50E+00	ug/L	—	—	09-1718	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.82	—	—	2.50E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.17	—	—	2.50E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.06	—	—	1.50E+00	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.12	—	—	3.00E+00	ug/L	J	J	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	3.00E+01	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.6	—	—	3.00E+01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.4	—	—	3.00E+01	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	68.8	—	—	2.50E+01	ug/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.72	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.79	—	—	1.00E-01	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	1.00E-01	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.92	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.66	—	—	1.00E-01	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	1.00E-01	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.93	—	—	1.00E-01	ug/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.18	—	—	1.00E-01	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	ug/L	J	J	10-3007	CAMO-10-16734	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.79	—	—	5.00E-01	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.792	—	—	5.00E-01	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.636	—	—	5.00E-01	ug/L	J	J	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.636	—	—	5.00E-01	ug/L	J	J	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.53	—	—	5.00E-01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.814	—	—	5.00E-01	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.42	—	—	5.00E-01	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.86	—	—	5.00E-01	ug/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	5.30E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	5.30E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.6	—	—	5.30E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	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	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	96.5	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.9	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.4	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	83.7	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	79.1	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.1	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.3	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.8	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.7	—	—	1.00E+00	ug/L	—	—	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.194	—	—	5.00E-02	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.106	—	—	5.00E-02	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.13	—	—	5.00E-02	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.167	—	—	5.00E-02	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	5.00E-02	ug/L	J	J	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.123	—	—	5.00E-02	ug/L	J	J	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.2	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.118	—	—	5.00E-02	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.141	—	—	5.00E-02	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.182	—	—	5.00E-02	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.153	—	—	5.00E-02	ug/L	J	J	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.7	—	—	1.00E+00	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.66	—	—	1.00E+00	ug/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.66	—	—	1.00E+00	ug/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.08	—	—	1.00E+00	ug/L	J	J	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.57	—	—	1.00E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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	—	Metals	SW-846:6010B	Vanadium	—	2.73	—	—	1.00E+00	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	3.46	—	—	1.00E+00	ug/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.16	—	—	3.30E+00	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.76	—	—	3.30E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.3	—	—	3.30E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.5	—	—	3.30E+00	ug/L	J	J	09-2807	CAMO-09-9531	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.35	—	—	2.00E+00	ug/L	J	U	09-1719	CAMO-09-8162	GELC
MCOI-5	5721	689	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.35	—	—	2.00E+00	ug/L	J	U	09-1719	CAMO-09-11416	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	3.30E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.28	—	—	3.30E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.99	—	—	3.30E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.29	—	—	3.30E+00	ug/L	J	J	09-2807	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.97	—	—	2.00E+00	ug/L	J	U	09-1719	CAMO-09-8163	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3920	1.37E+02	1.60E+02	—	pCi/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3020	1.03E+02	1.70E+02	—	pCi/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3200	1.10E+02	1.90E+02	—	pCi/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3070	1.10E+02	2.00E+02	—	pCi/L	—	—	09-2808	CAMO-09-9532	GELC
MCOI-5	5721	689	02/09/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3090	1.10E+02	1.60E+02	—	pCi/L	—	—	09-850	CAMO-09-2599	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	8.74	—	—	2.10E+00	ug/L	J	J	10-3006	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	7.08	—	—	2.20E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	7.08	—	—	2.20E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	08/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	6.17	—	—	2.20E+00	ug/L	J	J	09-2806	CAMO-09-9532	GELC
MCOI-5	5721	689	05/04/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	5.82	—	—	1.10E+00	ug/L	J	J	09-1718	CAMO-09-8163	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89.1	—	—	7.30E-01	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.1	—	—	7.30E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.1	—	—	7.30E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89	—	—	7.30E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.3	—	—	7.30E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.143	—	—	1.60E-02	mg/L	—	J	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.022	—	—	1.60E-02	mg/L	J	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.051	—	—	1.60E-02	mg/L	—	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.657	—	—	6.60E-02	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.64	—	—	6.60E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.667	—	—	6.60E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.633	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.61	—	—	6.60E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	64.9	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.4	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.5	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.8	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	65.6	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.7	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.9	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	53.6	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.3	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	49.5	—	—	6.60E-01	mg/L	—	J+	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	48.3	—	—	3.30E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	46.7	—	—	6.60E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.475	—	—	3.30E-02	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.477	—	—	3.30E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.54	—	—	3.30E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.447	—	—	3.30E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.628	—	—	3.30E-02	mg/L	—	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	217	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	220	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	214	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	210	—	—	3.50E-01	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.4	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.7	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	13.6	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.5	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.7	—	—	8.50E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.7	—	—	2.50E-01	mg/L	—	J	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.9	—	—	2.50E-01	mg/L	—	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.2	—	—	2.50E-01	mg/L	—	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	79.2	—	—	1.00E+01	ug/L	—	J+	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	78.6	—	—	1.00E+01	ug/L	—	J+	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.6	—	—	1.00E+01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	90.5	—	—	1.00E+01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	95.2	—	—	1.00E+01	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.85	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.874	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.882	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.81	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.823	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.882	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.86	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16737	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.866	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.814	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.801	—	—	5.00E-02	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	26.5	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.8	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.7	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.6	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
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	05/11/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	26.7	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.6	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	28.1	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	1.00E-01	mg/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	619	—	—	1.00E+00	uS/cm	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	uS/cm	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	582	—	—	1.00E+00	uS/cm	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	585	—	—	1.00E+00	uS/cm	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	569	—	—	1.00E+00	uS/cm	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	65	—	—	5.00E-01	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	64	—	—	5.00E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	63.5	—	—	1.00E+00	mg/L	—	J+	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.4	—	—	5.00E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	63.6	—	—	1.00E+00	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	451	—	—	2.40E+00	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	435	—	—	2.40E+00	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	459	—	—	2.40E+00	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	440	—	—	2.40E+00	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	458	—	—	2.40E+00	mg/L	—	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.44	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.25	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.41	—	—	3.30E-01	mg/L	—	—	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.49	—	—	3.30E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.027	—	—	1.50E-02	mg/L	J	J	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.036	—	—	1.50E-02	mg/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.097	—	—	1.50E-02	mg/L	—	U	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.081	—	—	1.50E-02	mg/L	—	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.084	—	—	1.50E-02	mg/L	—	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.68	—	—	1.00E-02	SU	H	J-	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J-	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.29	—	—	1.00E-02	SU	H	J-	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.581	—	—	5.00E-01	ug/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2969	CAMO-09-9535	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	43.3	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.4	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.2	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	44.3	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.4	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.6	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.6	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	43.9	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.8	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.7	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29.3	—	—	1.50E+01	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	40.7	—	—	1.50E+01	ug/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	45.3	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.5	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.9	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.3	—	—	1.50E+01	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	44.4	—	—	1.50E+01	ug/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	46.7	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	48.7	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	50.2	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	51.5	—	—	2.50E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	44.3	—	—	2.50E+00	ug/L	—	—	09-2969	CAMO-09-10299	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	47.5	—	—	2.50E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	48.5	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	48.8	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	51.1	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	53.4	—	—	2.50E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	50	—	—	2.50E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.29	—	—	1.00E+00	ug/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	12.3	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	12.1	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	10.6	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	9.56	—	—	3.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	11.3	—	—	3.00E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	14.5	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16981	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.3	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.1	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.5	—	—	3.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.9	—	—	3.00E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.64	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.67	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.46	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.55	—	—	2.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.07	—	—	2.00E+00	ug/L	J	J	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	2.67	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.69	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.45	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.37	—	—	2.00E+00	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.33	—	—	2.00E+00	ug/L	J	J	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.07	—	—	1.00E-01	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	16.6	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.4	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.2	—	—	5.00E-01	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	15.9	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.2	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.2	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.3	—	—	5.00E-01	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.6	—	—	5.00E-01	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	65.8	—	—	5.30E-02	mg/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.8	—	—	5.30E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.6	—	—	5.30E-02	mg/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	275	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	311	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	280	—	—	1.00E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.07	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	36.7	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16982	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.4	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.5	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.8	—	—	3.30E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.4	—	—	3.30E+00	ug/L	—	—	09-2969	CAMO-09-9535	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	38.3	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	38	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.6	—	—	3.30E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.7	—	—	3.30E+00	ug/L	—	—	09-2969	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	6450	2.17E+02	1.80E+02	—	pCi/L	—	—	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	6680	2.23E+02	1.80E+02	—	pCi/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7000	2.60E+02	5.40E+02	—	pCi/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	7420	2.50E+02	1.90E+02	—	pCi/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	8420	2.87E+02	2.30E+02	—	pCi/L	—	—	09-2970	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Benzo(a)pyrene	—	0.245	—	—	2.10E-01	ug/L	J	J	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)pyrene	<	1.27	—	—	2.50E-01	ug/L	U	U	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)pyrene	<	1.25	—	—	2.50E-01	ug/L	U	U	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(a)pyrene	<	1	—	—	2.00E-01	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Benzo(b)fluoranthene	—	0.239	—	—	2.10E-01	ug/L	J	J	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(b)fluoranthene	<	1.27	—	—	2.50E-01	ug/L	U	U	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(b)fluoranthene	<	1.25	—	—	2.50E-01	ug/L	U	U	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(b)fluoranthene	<	1	—	—	2.00E-01	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Benzo(k)fluoranthene	—	0.26	—	—	2.10E-01	ug/L	J	J	10-3131	CAMO-10-16981	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(k)fluoranthene	<	1.27	—	—	2.50E-01	ug/L	U	U	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(k)fluoranthene	<	1.25	—	—	2.50E-01	ug/L	U	U	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Benzo(k)fluoranthene	<	1	—	—	2.00E-01	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.36	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	12.7	—	—	2.50E+00	ug/L	U	U	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	12.5	—	—	2.50E+00	ug/L	U	U	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	<	10	—	—	2.00E+00	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	15.6	—	—	2.00E+00	ug/L	—	J	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	20.9	—	—	2.50E+00	ug/L	—	J	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	23.2	—	—	2.50E+00	ug/L	—	J	10-412	CAMO-10-3121	GELC
MCOI-6	5731	686	08/19/09	WG	UF	CS	—	Svoa	SW-846:8270C	Dioxane[1,4-]	—	10.9	—	—	2.00E+00	ug/L	—	J	09-2968	CAMO-09-9533	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.9	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.5	—	—	7.30E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.6	—	—	7.30E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.6	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.79	—	—	6.60E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.76	—	—	6.60E-02	mg/L	—	J	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.8	—	—	6.60E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	3.30E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.145	—	—	3.30E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.291	—	—	3.30E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.6	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.1	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.369	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.321	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.36	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.416	—	—	5.00E-02	mg/L	—	J	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.353	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.354	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/01/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.305	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8171	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.86	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	uS/cm	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.5	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.57	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.37	—	—	1.00E-01	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	114	—	—	2.40E+00	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.465	—	—	3.30E-01	mg/L	J	J	10-3006	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.724	—	—	3.30E-01	mg/L	J	J	10-1816	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.585	—	—	3.30E-01	mg/L	J	J	10-535	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.993	—	—	3.30E-01	mg/L	J	J	09-2877	CAMO-09-9549	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	1.00E-02	SU	H	J-	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.506	—	—	5.00E-01	ug/L	J	J	10-3007	CAMO-10-16740	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	1.12	—	—	5.00E-01	ug/L	JN	U	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	1.33	—	—	5.00E-01	ug/L	JN	U	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.26	—	—	2.50E+00	ug/L	J	U	10-2179	CAMO-10-9727	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.64	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.98	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.7	—	—	2.50E+00	ug/L	—	—	10-808	CAMO-10-3899	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.52	—	—	2.50E+00	ug/L	J	J	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.49	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.68	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.48	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.66	—	—	1.50E+00	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.41	—	—	3.00E+00	ug/L	J	J	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.67	—	—	3.00E+00	ug/L	J	J	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.39	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.6	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.2	—	—	5.00E-01	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.5	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3126	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.26	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.2	—	—	5.00E-01	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	9.78	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	7.1	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.27	—	—	5.00E-01	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.6	—	—	5.30E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.2	—	—	5.30E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.8	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.3	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.2	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.854	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.955	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.859	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.973	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.897	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.881	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.874	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.6	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.14	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.46	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.84	—	—	1.00E+00	ug/L	—	J	09-1701	CAMO-09-8172	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.53	—	—	3.30E+00	ug/L	J	J	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.24	—	—	3.30E+00	ug/L	J	J	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2878	CAMO-09-9551	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.63	—	—	3.30E+00	ug/L	J	J	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.2	—	—	3.30E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	3.30E+00	ug/L	J	J	09-2878	CAMO-09-9549	GELC
R-1	1701	1031.1	05/01/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	7.14	—	—	2.00E+00	ug/L	J	U	09-1701	CAMO-09-8172	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/06/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.6	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.1	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.7	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.4	—	—	7.30E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.6	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.14	—	—	6.60E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.271	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.257	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.288	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	3.30E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
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	05/06/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.8	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	45.9	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.6	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.8	—	—	3.50E-01	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.01	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.25	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.2	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.3	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.805	—	—	5.00E-02	mg/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.79	—	—	5.00E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.72	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.75	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.25	—	—	5.00E-02	mg/L	U	UJ	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.71	—	—	5.00E-02	mg/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	ug/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	ug/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.347	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.454	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.385	—	—	5.00E-02	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	04/30/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.41	—	—	5.00E-02	ug/L	—	—	09-1680	CAMO-09-8179	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	9.3	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.09	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	9.51	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.86	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.38	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	5.00E-01	mg/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.9	—	—	4.50E-02	mg/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	141	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.12	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.09	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.16	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	J	10-494	CAMO-10-3135	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	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	05/06/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	4.9	—	—	1.50E+00	ug/L	J	J	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.86	—	—	1.50E+00	ug/L	J	J	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	UN	UJ	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	3.95	—	—	1.50E+00	ug/L	J	J	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.61	—	—	1.50E+00	ug/L	J	J	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	UN	UJ	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.68	—	—	1.50E+00	ug/L	J	J	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.2	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.7	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	7.62	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.99	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.12	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.23	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	7.98	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.88	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.05	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.93	—	—	2.50E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.36	—	—	2.50E+00	ug/L	J	J	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.91	—	—	1.50E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16814	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	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	05/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	48.2	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.4	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.2	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.8	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	50.4	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.6	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	5.00E+00	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.4	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.471	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.353	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.335	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.498	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.496	—	—	5.00E-02	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	4.83	—	—	1.00E+00	ug/L	J	J	10-3077	CAMO-10-16814	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.99	—	—	1.00E+00	ug/L	J	J	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.65	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.59	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9560	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	4.86	—	—	1.00E+00	ug/L	J	J	10-3077	CAMO-10-16812	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.53	—	—	1.00E+00	ug/L	—	—	09-2807	CAMO-09-9558	GELC
R-13	1741	958.3	04/30/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.07	—	—	1.00E+00	ug/L	—	—	09-1681	CAMO-09-8180	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61	—	—	7.30E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	3.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	3.00E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.59	—	—	6.60E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	J+	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	6.60E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	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	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.162	—	—	3.30E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.189	—	—	3.30E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.497	—	—	3.30E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.387	—	—	3.30E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.209	—	—	3.30E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.9	—	—	3.50E-01	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.6	—	—	3.50E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.9	—	—	3.50E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.5	—	—	3.50E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.7	—	—	3.50E-01	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	3.50E-01	mg/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.1	—	—	3.50E-01	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	3.50E-01	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	3.50E-01	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.1	—	—	3.50E-01	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	8.50E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.04	—	—	8.50E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	8.50E-02	mg/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.35	—	—	8.50E-02	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.48	—	—	8.50E-02	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	8.50E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.23	—	—	8.50E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.337	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.285	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.326	—	—	5.00E-02	mg/L	—	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.127	—	—	1.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	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	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.284	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.26	—	—	5.00E-02	ug/L	—	J	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.264	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.288	—	—	5.00E-02	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.27	—	—	5.00E-02	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.94	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.06	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	4.50E-02	mg/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9571	GELC
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	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	124	—	—	1.00E+00	uS/cm	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	125	—	—	1.00E+00	uS/cm	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	123	—	—	1.00E+00	uS/cm	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.96	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.92	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	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	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	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	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.41	—	—	1.00E-02	SU	H	J-	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.4	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.7	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.9	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3215	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.72	—	—	2.50E+00	ug/L	J	J	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.28	—	—	2.50E+00	ug/L	J	J	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.45	—	—	2.50E+00	ug/L	J	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	J	J	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.92	—	—	1.50E+00	ug/L	—	U	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.9	—	—	2.50E+00	ug/L	J	J	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.96	—	—	2.50E+00	ug/L	J	J	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5	—	—	2.50E+00	ug/L	J	J	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.65	—	—	2.50E+00	ug/L	J	J	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.35	—	—	1.50E+00	ug/L	—	U	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.17	—	—	1.00E-01	ug/L	—	U	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	ug/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.15	—	—	1.00E-01	ug/L	—	U	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.04	—	—	1.00E-01	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.531	—	—	5.00E-01	ug/L	J	J	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.85	—	—	5.00E-01	ug/L	J	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.527	—	—	5.00E-01	ug/L	J	J	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.53	—	—	5.00E-01	ug/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.822	—	—	5.00E-01	ug/L	J	J	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	ug/L	J	J	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	ug/L	J	J	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	85.8	—	—	5.30E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.8	—	—	5.30E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.7	—	—	5.30E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
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	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.9	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.2	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.6	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.7	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.9	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8207	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.837	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.836	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.917	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.928	—	—	5.00E-02	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	J	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.833	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.85	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.869	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.944	—	—	5.00E-02	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	J	09-1789	CAMO-09-8207	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.63	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.41	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	08/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.04	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9573	GELC
R-14	8571	1200.6	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.79	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8206	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.99	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.74	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.51	—	—	1.00E+00	ug/L	—	—	10-370	CAMO-10-3215	GELC
R-14	8571	1200.6	08/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.36	—	—	1.00E+00	ug/L	—	—	09-2821	CAMO-09-9571	GELC
R-14	8571	1200.6	05/07/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.67	—	—	1.00E+00	ug/L	—	—	09-1789	CAMO-09-8207	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.985	—	—	7.30E-01	mg/L	J	J	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	7.30E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.4	—	—	7.30E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.3	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	7.30E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.3	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.9	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.21	—	—	6.60E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.06	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	3.30E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.18	—	—	3.30E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.236	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.351	—	—	3.30E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.7	—	—	3.50E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	3.50E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.9	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.8	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.1	—	—	3.50E-01	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.2	—	—	3.50E-01	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.8	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53	—	—	3.50E-01	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	8.50E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	09-1717	CAMO-09-8174	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.13	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.1	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.16	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.02	—	—	5.00E-01	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.97	—	—	5.00E-01	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.9	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.01	—	—	5.00E-01	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.39	—	—	5.00E-01	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.74	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8173	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.79	—	—	1.00E-01	mg/L	—	J+	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	J+	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	5.00E-01	mg/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	162	—	—	1.00E+00	uS/cm	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	153	—	—	1.00E+00	uS/cm	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	153	—	—	1.00E+00	uS/cm	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.98	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.62	—	—	1.00E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.11	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.02	—	—	1.00E-01	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.533	—	—	3.30E-01	mg/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.63	—	—	3.30E-01	mg/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.786	—	—	3.30E-01	mg/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.701	—	—	3.30E-01	mg/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	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	05/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.31	—	—	1.00E-02	SU	H	J-	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/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	ug/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	250	—	—	6.80E+01	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.1	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	14.9	—	—	1.00E+01	ug/L	J	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	14.9	—	—	1.00E+01	ug/L	J	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	15.7	—	—	1.00E+01	ug/L	J	U	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.7	—	—	2.50E+00	ug/L	J	J	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	1.30E+01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.82	—	—	2.50E+00	ug/L	J	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.02	—	—	1.50E+00	ug/L	—	—	09-1716	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.49	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.02	—	—	1.50E+00	ug/L	—	—	09-1716	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.21	—	—	2.50E+00	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.1	—	—	1.30E+01	ug/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.3	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.97	—	—	2.50E+00	ug/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.3	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.5	—	—	3.00E+01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.8	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	578	—	—	3.00E+01	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	138	—	—	3.00E+01	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	127	—	—	3.00E+01	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37.9	—	—	2.50E+01	ug/L	J	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1717	CAMO-09-8174	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.814	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	4.32	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/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	ug/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	9.29	—	—	2.00E+00	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.935	—	—	1.00E-01	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.82	—	—	5.00E-01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.943	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.871	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.797	—	—	1.00E-01	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	5.00E-01	ug/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.894	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.979	—	—	1.00E-01	ug/L	—	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.887	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.603	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.815	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.832	—	—	5.00E-01	ug/L	J	J	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.97	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.879	—	—	5.00E-01	ug/L	J	J	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.582	—	—	5.00E-01	ug/L	J	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.4	—	—	5.30E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.6	—	—	5.30E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	3.20E-02	mg/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.5	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59	—	—	5.00E+00	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.8	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8174	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.8	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.6	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.1	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.3	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	5.00E+00	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.5	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.437	—	—	5.00E-02	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	5.00E-02	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.428	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.458	—	—	5.00E-02	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.419	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.419	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.465	—	—	5.00E-02	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.388	—	—	5.00E-02	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.425	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.467	—	—	5.00E-02	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.41	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.09	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.89	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.13	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.1	—	—	1.00E+00	ug/L	—	—	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.58	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8173	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	08/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2803	CAMO-09-9540	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.2	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-11418	GELC
R-15	1751	958.6	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.2	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8174	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.85	—	—	3.30E+00	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.5	—	—	3.30E+00	ug/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	08/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2803	CAMO-09-9542	GELC
R-15	1751	958.6	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.29	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8173	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.09	—	—	1.60E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.025	—	—	1.60E-02	mg/L	J	J-	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.016	—	—	1.60E-02	mg/L	J	U	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.57	—	—	6.60E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.48	—	—	6.60E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.45	—	—	6.60E-02	mg/L	—	J	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.5	—	—	3.50E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	3.50E-01	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.9	—	—	3.50E-01	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	3.50E-01	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.74	—	—	8.50E-02	mg/L	—	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.68	—	—	8.50E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.92	—	—	8.50E-02	mg/L	—	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.67	—	—	8.50E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.525	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.422	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.462	—	—	5.00E-02	mg/L	—	J	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.452	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.44	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	02/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.0961	—	—	5.00E-02	ug/L	J	J	09-801	CAMO-09-2639	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.71	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	174	—	—	1.00E+00	uS/cm	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	uS/cm	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.67	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	10-3019	CAMO-10-16857	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.342	—	—	3.30E-01	mg/L	J	J	10-3017	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.373	—	—	3.30E-01	mg/L	J	J	10-1721	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.542	—	—	3.30E-01	mg/L	J	J	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.75	—	—	1.50E+00	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	3.59	—	—	1.50E+00	ug/L	—	U	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.24	—	—	1.50E+00	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2.96	—	—	1.50E+00	ug/L	—	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.9	—	—	1.00E+00	ug/L	—	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.8	—	—	1.00E+00	ug/L	—	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.3	—	—	1.50E+01	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22	—	—	1.50E+01	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.1	—	—	1.50E+01	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.97	—	—	2.50E+00	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.97	—	—	2.50E+00	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.04	—	—	2.50E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.47	—	—	2.50E+00	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.11	—	—	2.50E+00	ug/L	J	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.45	—	—	2.50E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.71	—	—	2.00E+00	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.7	—	—	2.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.14	—	—	2.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.63	—	—	2.00E+00	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.6	—	—	2.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.13	—	—	2.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.61	—	—	5.00E-01	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.51	—	—	5.00E-01	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.708	—	—	5.00E-01	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.649	—	—	5.00E-01	ug/L	J	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55	—	—	5.30E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.2	—	—	5.30E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.8	—	—	5.30E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.71	—	—	3.30E+00	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.85	—	—	3.30E+00	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	3.30E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.5	—	—	3.30E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.3	—	—	3.30E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.5	—	—	3.30E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0107	1.90E-03	2.10E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00853	1.73E-03	3.00E-02	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00468	1.87E-03	3.50E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00576	1.70E-03	3.11E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.665	4.00E-01	4.20E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.52	3.67E-01	3.60E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.33	5.67E-01	5.00E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.97	5.20E-01	4.33E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.828	4.33E-01	4.00E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.388	3.67E-01	3.70E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.591	6.33E-01	6.50E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.75	5.20E-01	4.21E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.59	2.67E-01	2.20E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.29	2.40E-01	2.10E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.353	1.33E-01	1.46E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.0574	2.23E-01	2.50E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.33	2.33E-01	2.20E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.29	2.67E-01	2.60E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.85	2.63E-01	2.50E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	2.91	4.67E-01	2.80E+00	—	pCi/L	—	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	257	2.20E+01	1.70E+02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	236	2.43E+01	1.40E+02	—	pCi/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	125	3.67E+01	3.57E+02	—	pCi/L	U	U	182192	GU07030G16R201	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.58	7.67E-01	7.90E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.8	4.00E+00	3.00E+01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	36.3	5.00E+00	4.90E+01	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.44	3.87E+00	3.67E+01	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.40E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00403	1.17E-03	3.40E-02	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00276	1.60E-03	4.50E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.011	1.75E-03	1.16E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0106	2.57E-03	3.10E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00201	1.17E-03	2.30E-02	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00552	3.20E-03	4.50E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00315	1.48E-03	1.82E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15.1	6.33E+00	5.90E+01	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.2	7.67E+00	3.70E+01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.43	7.67E+00	7.50E+01	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.5	7.67E+00	4.34E+01	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.197	4.33E-01	4.30E+00	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.307	3.33E-01	3.30E+00	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.97	7.00E-01	7.20E+00	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.47	4.73E-01	5.17E+00	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.203	4.00E-02	4.90E-01	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0607	3.07E-02	3.70E-01	—	pCi/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0121	4.33E-02	4.50E-01	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0271	2.76E-02	3.37E-01	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.6386	2.24E-01	2.33E+00	—	pCi/L	U	U	10-3020	CAMO-10-16855	ARSL
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.06386	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1795	CAMO-10-9388	UMTL
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.19158	9.58E-02	2.87E-01	—	pCi/L	U	U	10-662	CAMO-10-3150	UMTL
R-16	8861	863.4	02/03/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	9.58E-02	2.87E-01	—	pCi/L	U	U	09-802	CAMO-09-2637	UMTL
R-16	8861	863.4	11/03/08	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	9.58E-02	2.87E-01	—	pCi/L	U	U	09-264	CAMO-09-820	UMTL
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.597	2.17E-02	5.90E-02	—	pCi/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.587	1.70E-02	4.70E-02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.534	1.63E-02	7.30E-02	—	pCi/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.238	8.10E-03	4.10E-02	—	pCi/L	—	—	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0223	3.33E-03	5.40E-02	—	pCi/L	U	U	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0332	2.87E-03	2.70E-02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0251	2.70E-03	3.70E-02	—	pCi/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00986	2.19E-03	2.90E-02	—	pCi/L	U	U	182192	GU07030G16R201	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.387	1.57E-02	5.40E-02	—	pCi/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.356	1.17E-02	3.00E-02	—	pCi/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.337	1.17E-02	4.50E-02	—	pCi/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	03/08/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.145	5.80E-03	3.74E-02	—	pCi/L	—	—	182192	GU07030G16R201	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.332	—	—	3.30E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.2	—	—	3.50E-01	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.57	—	—	8.50E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.46	—	—	8.50E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.495	—	—	5.00E-02	mg/L	—	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.347	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-12326	GELC
R-16	8871	1237	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.362	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3194	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.91	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.045	—	—	1.50E-02	mg/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.93	—	—	1.50E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.82	—	—	1.50E+00	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.4	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.6	—	—	1.50E+01	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.38	—	—	2.50E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-207	CAMO-09-963	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.28	—	—	2.50E+00	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.41	—	—	1.00E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.74	—	—	2.00E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.582	—	—	5.00E-01	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.801	—	—	5.00E-01	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	49.9	—	—	5.30E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	228	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	217	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.47	—	—	3.30E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	3.30E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00882	1.43E-03	2.10E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00189	2.98E-03	4.97E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.473	4.00E-01	4.10E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	5.10E-01	4.66E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.92	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.335	4.63E-01	4.40E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.5	2.73E-01	2.40E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.596	1.43E-01	1.36E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.8	2.93E-01	2.40E+00	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.57	3.37E-01	2.85E+00	—	pCi/L	—	J	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	54	5.33E+00	5.30E+01	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.3	1.46E+01	1.92E+02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.389	8.00E-01	8.00E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.4	3.63E+00	2.99E+01	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00941	3.67E-03	3.70E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00775	3.03E-03	1.42E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0094	1.93E-03	3.50E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00774	2.04E-03	2.24E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.8	5.67E+00	5.40E+01	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	60.3	5.30E+00	3.80E+01	—	pCi/L	UI	R	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	4.00E-01	4.30E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.00E-01	4.52E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.432	5.00E-02	4.50E-01	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.198	2.28E-02	3.53E-01	—	pCi/L	U	U, J	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.679	2.20E-02	4.50E-02	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.031	2.56E-03	4.20E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	3.33E-03	4.10E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00202	1.17E-03	2.96E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.443	1.60E-02	4.10E-02	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0163	1.75E-03	3.83E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.30E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.9	—	—	7.30E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.4	—	—	7.30E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.4	—	—	7.30E-01	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	J+	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	J	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.363	—	—	3.30E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.385	—	—	3.30E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.379	—	—	3.30E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.515	—	—	3.30E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.473	—	—	3.30E-02	mg/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.5	—	—	3.50E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.3	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.3	—	—	3.50E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.4	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.6	—	—	3.50E-01	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.5	—	—	3.50E-01	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.766	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.609	—	—	8.50E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.771	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.85	—	—	8.50E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.778	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.82	—	—	8.50E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.72	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.868	—	—	8.50E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.411	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.461	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.358	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.317	—	—	5.00E-02	ug/L	—	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.4	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.341	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.13	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.01	—	—	5.00E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	EN	J-	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16833	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	1.00E-01	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	EN	J-	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	4.50E-02	mg/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.25	—	—	1.00E-01	mg/L	—	J+	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.24	—	—	1.00E-01	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	112	—	—	2.40E+00	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.27	—	—	1.00E-02	SU	H	J-	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.44	—	—	1.00E-02	SU	H	J-	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.81	—	—	1.50E+00	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.17	—	—	1.50E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.64	—	—	1.50E+00	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.15	—	—	1.50E+00	ug/L	J	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.75	—	—	1.50E+00	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.12	—	—	1.50E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.91	—	—	1.50E+00	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.05	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.5	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.5	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.9	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.8	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.2	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.6	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.6	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.9	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3143	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	Boron	—	16.3	—	—	1.50E+01	ug/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	ug/L	J	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.2	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	20.5	—	—	1.00E+01	ug/L	J	U	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.01	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.14	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.38	—	—	2.50E+00	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.46	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.54	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	2.50E+00	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.61	—	—	1.50E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.756	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.971	—	—	5.00E-01	ug/L	J	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.82	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.33	—	—	5.00E-01	ug/L	J	J	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.07	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.995	—	—	5.00E-01	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.2	—	—	5.30E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.3	—	—	5.30E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.3	—	—	5.30E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	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	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	176	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	ug/L	E	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	180	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8191	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	E	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.23	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	ug/L	—	—	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.4	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	J	09-1717	CAMO-09-8192	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.31	—	—	3.30E+00	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.17	—	—	3.30E+00	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.54	—	—	3.30E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	08/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.6	—	—	3.30E+00	ug/L	J	J	09-2841	CAMO-09-9553	GELC
R-16r	6341	600	05/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.53	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8191	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.55	—	—	3.30E+00	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.98	—	—	3.30E+00	ug/L	J	J	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.6	—	—	3.30E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	08/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.45	—	—	3.30E+00	ug/L	J	J	09-2841	CAMO-09-9556	GELC
R-16r	6341	600	05/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	8.38	—	—	2.00E+00	ug/L	J	U	09-1717	CAMO-09-8192	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.4	—	—	7.30E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.6	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.9	—	—	7.30E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.244	—	—	6.60E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.233	—	—	6.60E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.224	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.17	—	—	6.60E-02	mg/L	J	J	09-2878	CAMO-09-9547	GELC
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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.3	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	41.5	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	42	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.4	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.1	—	—	3.00E-02	mg/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.1	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.5	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.2	—	—	3.30E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.8	—	—	3.30E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	29.4	—	—	6.60E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	28.1	—	—	6.60E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00388	—	—	1.70E-03	mg/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00239	—	—	1.70E-03	mg/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0045	—	—	1.70E-03	mg/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/14/08	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	<	0.00516	—	—	1.50E-03	mg/L	—	U	08-1156	CAMO-08-12768	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.267	—	—	3.30E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.317	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.384	—	—	3.30E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	153	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	149	—	—	3.50E+00	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	149	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	154	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	148	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	152	—	—	3.50E+00	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	151	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	157	—	—	3.50E-01	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.7	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-01	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.6	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.2	—	—	8.50E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.24	—	—	1.00E-01	mg/L	—	J	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.47	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.17	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.99	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.815	—	—	5.00E-02	ug/L	—	J	10-1615	CAMO-10-9328	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.97	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.974	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.802	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	5.00E-01	mg/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	409	—	—	1.00E+00	uS/cm	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	373	—	—	1.00E+00	uS/cm	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	391	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	372	—	—	1.00E+00	uS/cm	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	368	—	—	1.00E+00	uS/cm	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	50.6	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.1	—	—	5.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	44.6	—	—	1.00E+00	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	43	—	—	1.00E+00	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	316	—	—	2.40E+00	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	318	—	—	2.40E+00	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	300	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	287	—	—	2.40E+00	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-3175	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.406	—	—	3.30E-01	mg/L	J	J	10-1614	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.957	—	—	3.30E-01	mg/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.414	—	—	3.30E-01	mg/L	J	J	09-2877	CAMO-09-9546	GELC
R-28	1781	934.3	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	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.5	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.1	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.4	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	64.1	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.8	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.8	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.3	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.7	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	ug/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	23.6	—	—	1.00E+01	ug/L	J	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.5	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.4	—	—	1.50E+01	ug/L	J	J	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	342	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	321	—	—	2.50E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	358	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	383	—	—	2.50E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	388	—	—	7.50E+00	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	340	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	325	—	—	2.50E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	365	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	395	—	—	2.50E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.18	—	—	3.00E+00	ug/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.35	—	—	3.00E+00	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.2	—	—	3.00E+01	ug/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.9	—	—	3.00E+01	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	47.3	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.75	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.826	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.803	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.764	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.763	—	—	1.00E-01	ug/L	—	—	09-1701	CAMO-09-8178	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.774	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.827	—	—	1.00E-01	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.761	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.79	—	—	1.00E-01	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.1	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.6	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.4	—	—	5.00E-01	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	5.00E-01	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.9	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.4	—	—	5.00E-01	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.9	—	—	5.30E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.3	—	—	5.30E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.3	—	—	5.30E-02	mg/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	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	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	158	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	155	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	5.00E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.24	—	—	5.00E-02	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.45	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.42	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.22	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5.95	—	—	1.00E+00	ug/L	—	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.55	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.99	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	09-2878	CAMO-09-9546	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.2	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.03	—	—	3.30E+00	ug/L	J	J	10-1615	CAMO-10-9328	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.83	—	—	3.30E+00	ug/L	J	J	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	08/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.77	—	—	3.30E+00	ug/L	J	J	09-2878	CAMO-09-9547	GELC
R-28	1781	934.3	05/01/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	3.65	—	—	2.00E+00	ug/L	J	U	09-1701	CAMO-09-8178	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.9	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.16	—	—	3.30E+00	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.95	—	—	3.30E+00	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	08/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.98	—	—	3.30E+00	ug/L	J	J	09-2878	CAMO-09-9546	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.5	—	—	7.30E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.7	—	—	7.30E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.1	—	—	7.30E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.15	—	—	6.60E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	3.30E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.223	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	3.30E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.414	—	—	3.30E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.5	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.75	—	—	8.50E-02	mg/L	—	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.685	—	—	5.00E-02	mg/L	—	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.52	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.595	—	—	5.00E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.391	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.37	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.451	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.404	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-01	mg/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-01	mg/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.8	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	151	—	—	1.00E+00	uS/cm	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.09	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.93	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.9	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.92	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9363	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.854	—	—	3.30E-01	mg/L	J	J	10-3156	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.363	—	—	3.30E-01	mg/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.763	—	—	3.30E-01	mg/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.606	—	—	3.30E-01	mg/L	J	J	09-2889	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.069	—	—	1.50E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.077	—	—	1.50E-02	mg/L	—	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.071	—	—	1.50E-02	mg/L	—	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.076	—	—	1.50E-02	mg/L	—	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.052	—	—	1.50E-02	mg/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.3	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.7	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.4	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	ug/L	J	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.00E+01	ug/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.00E+01	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.8	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.82	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.61	—	—	2.50E+00	ug/L	J	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.96	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	4.62	—	—	1.50E+00	ug/L	—	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.86	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.99	—	—	2.50E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.91	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9578	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	6.03	—	—	1.50E+00	ug/L	—	U	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	55.8	—	—	3.00E+01	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.1	—	—	3.00E+01	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	44.6	—	—	3.00E+01	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	30	—	—	2.50E+01	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.75	—	—	2.00E+00	ug/L	J	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.56	—	—	2.00E+00	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.77	—	—	5.00E-01	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.937	—	—	5.00E-01	ug/L	J	U	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.984	—	—	5.00E-01	ug/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.77	—	—	5.00E-01	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.976	—	—	5.00E-01	ug/L	J	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.11	—	—	5.00E-01	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79	—	—	5.30E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78	—	—	5.30E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.4	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9363	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.3	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54.5	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	48.5	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.826	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.826	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.951	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.855	—	—	5.00E-02	ug/L	—	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.785	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.813	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.956	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.897	—	—	5.00E-02	ug/L	—	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.06	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6.83	—	—	1.00E+00	ug/L	—	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.37	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.13	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.57	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.02	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.77	—	—	1.00E+00	ug/L	—	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.44	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.99	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	ug/L	—	—	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	50.5	—	—	3.30E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.36	—	—	3.30E+00	ug/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.83	—	—	3.30E+00	ug/L	J	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.66	—	—	3.30E+00	ug/L	J	J	09-2890	CAMO-09-9575	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.67	—	—	2.00E+00	ug/L	J	J	09-1764	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	52.4	—	—	3.30E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.83	—	—	3.30E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.98	—	—	3.30E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.15	—	—	3.30E+00	ug/L	J	J	09-2890	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.28	—	—	2.00E+00	ug/L	J	J	09-1764	CAMO-09-8200	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0199	2.20E-03	3.00E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00518	4.00E-03	3.70E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	9.67E-04	3.20E-02	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00793	1.73E-03	3.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.67	7.33E-01	8.00E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.48	4.67E-01	4.00E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.41	3.67E-01	3.20E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.03	4.67E-01	4.00E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	4.67E-01	4.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.5	6.00E-01	5.60E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0141	4.33E-01	4.40E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0574	4.00E-01	3.80E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.84	4.67E-01	5.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.41	2.03E-01	1.70E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.33	2.17E-01	2.70E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.165	1.67E-01	2.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.704	1.93E-01	2.00E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.03	2.70E-01	2.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.28	1.63E-01	1.20E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.27E-01	2.20E+00	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.702	2.30E-01	2.40E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.84	2.77E-01	2.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.4	3.20E-01	2.50E+00	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.4	3.27E-01	2.90E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.14	2.47E-01	2.10E+00	—	pCi/L	—	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	05/06/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.6	4.67E+00	2.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8199	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.42	1.20E+00	9.00E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	31.5	4.00E+00	4.00E+01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	55.4	1.13E+01	7.70E+01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	27.9	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.84	8.33E-01	8.80E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.856	3.67E+00	3.50E+01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	20	3.30E+00	3.20E+01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.41	4.00E+00	3.60E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.006	1.17E-03	3.20E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00442	1.03E-03	3.70E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00197	1.13E-03	3.20E-02	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00234	1.73E-03	3.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.002	9.33E-04	3.00E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00221	7.33E-04	2.60E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0059	1.73E-03	3.20E-02	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00234	1.10E-03	4.60E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	42.5	5.67E+00	6.80E+01	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16	5.67E+00	6.00E+01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.9	6.67E+00	3.00E+01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.99	5.67E+00	5.50E+01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25.6	5.33E+00	5.90E+01	—	pCi/L	U	U	09-1765	CAMO-09-8200	GELC
R-33	5491	995.5	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.55	5.67E-01	4.10E+00	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.354	5.33E-01	5.20E+00	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.35	4.67E-01	4.20E+00	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.3	5.00E-01	4.80E+00	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.142	4.67E-02	4.60E-01	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.298	4.67E-02	4.50E-01	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.167	4.00E-02	3.90E-01	—	pCi/L	U	U	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.269	3.67E-02	4.50E-01	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.457	1.47E-02	3.00E-02	—	pCi/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.472	1.60E-02	7.10E-02	—	pCi/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.502	1.53E-02	6.60E-02	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.525	1.73E-02	9.60E-02	—	pCi/L	—	—	09-2891	CAMO-09-9578	GELC
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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0183	2.43E-03	2.80E-02	—	pCi/L	U	U	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0282	3.20E-03	4.10E-02	—	pCi/L	U	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0342	3.33E-03	3.40E-02	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0187	3.30E-03	4.70E-02	—	pCi/L	U	U	09-2891	CAMO-09-9578	GELC
R-33	5491	995.5	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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.00E-03	2.80E-02	—	pCi/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.287	1.13E-02	4.60E-02	—	pCi/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.255	9.33E-03	4.10E-02	—	pCi/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.275	1.10E-02	4.80E-02	—	pCi/L	—	—	09-2891	CAMO-09-9578	GELC
R-33	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	05/12/10	WG	UF	CS	FTB	Voa	SW-846:8260B	Methylene Chloride	—	3.38	—	—	3.00E+00	ug/L	J	J	10-3156	CAMO-10-16815	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-1495	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-422	CAMO-10-3196	GELC
R-33	5491	995.5	08/14/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-2889	CAMO-09-9578	GELC
R-33	5491	995.5	05/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-1763	CAMO-09-8200	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.6	—	—	7.30E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.88	—	—	6.60E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.87	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/06/09	WG	F	RE	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.92	—	—	6.60E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.175	—	—	3.30E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.158	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.165	—	—	3.30E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.425	—	—	3.30E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.2	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.4	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.9	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.92	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.27	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.343	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.322	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.38	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.362	—	—	5.00E-02	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.87	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.22	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9579	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.2	—	—	5.00E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.39	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.14	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.36	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	4.50E-02	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.33	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.23	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.24	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/06/09	WG	F	RE	—	Geninorg	EPA:300.0	Sulfate	—	2.18	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.17	—	—	1.00E-01	mg/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.35	—	—	1.00E-01	mg/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	J	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.383	—	—	3.30E-01	mg/L	J	J	10-3156	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.678	—	—	3.30E-01	mg/L	J	J	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2889	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1738	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.3	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.7	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.73	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.32	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.79	—	—	2.50E+00	ug/L	J	J	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.52	—	—	1.50E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.9	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.55	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.93	—	—	2.50E+00	ug/L	J	J	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.22	—	—	1.50E+00	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.667	—	—	5.00E-01	ug/L	J	J	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.979	—	—	1.00E-01	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	J	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.998	—	—	1.00E-01	ug/L	—	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.995	—	—	1.00E-01	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.573	—	—	5.00E-01	ug/L	J	J	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.633	—	—	5.00E-01	ug/L	J	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.75	—	—	5.00E-01	ug/L	J	J	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.519	—	—	5.00E-01	ug/L	J	J	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.72	—	—	5.00E-01	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.84	—	—	5.00E-01	ug/L	J	J	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.1	—	—	5.30E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.8	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.1	—	—	5.30E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.8	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.9	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.7	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.955	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.985	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.13	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.01	—	—	5.00E-02	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.956	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.996	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.959	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.01	—	—	5.00E-02	ug/L	—	—	09-1739	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6.51	—	—	1.00E+00	ug/L	—	U	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.37	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.63	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9579	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.05	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.69	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.71	—	—	1.00E+00	ug/L	—	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.39	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.74	—	—	1.00E+00	ug/L	—	—	09-2890	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.1	—	—	1.00E+00	ug/L	—	—	09-1739	CAMO-09-8202	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0127	2.17E-03	2.80E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00323	8.67E-04	3.20E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00308	7.00E-04	2.80E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00659	1.60E-03	3.20E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.119	6.67E-01	7.00E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-4.05	5.00E-01	4.60E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.857	5.67E-01	5.50E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.438	5.67E-01	5.30E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.29	5.33E-01	5.40E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.26	4.67E-01	4.50E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.846	4.67E-01	4.70E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.784	5.67E-01	5.50E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.889	5.00E-01	5.20E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.707	1.60E-01	1.60E+00	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.37	2.57E-01	2.30E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.487	1.97E-01	2.30E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.09	2.30E-01	2.20E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.452	1.23E-01	1.10E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.592	1.43E-01	1.40E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	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	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.01	3.17E-01	2.60E+00	—	pCi/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.44	3.03E-01	2.60E+00	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.91	2.87E-01	2.70E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.21	2.80E-01	2.00E+00	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	51.6	5.00E+00	5.60E+01	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	75.5	1.83E+01	7.20E+01	—	pCi/L	—	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	173	1.03E+02	1.90E+02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	101	1.07E+01	8.90E+01	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.18	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	15	3.67E+00	3.70E+01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.4	4.67E+00	4.30E+01	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	12.1	4.33E+00	4.00E+01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00826	1.70E-03	3.30E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00888	4.00E-03	3.70E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00949	2.23E-03	3.90E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00439	1.47E-03	3.50E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00413	4.00E-03	3.00E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.06E-09	2.57E-03	2.60E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00474	1.93E-03	3.90E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00438	1.47E-03	4.30E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	6.67E+00	6.90E+01	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	9.15	5.33E+00	5.40E+01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	46.4	8.67E+00	6.00E+01	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.6	7.00E+00	6.90E+01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	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	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	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.651	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.478	4.00E-01	3.80E+00	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.51	4.67E-01	4.90E+00	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.77	5.00E-01	5.40E+00	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	5.33E-01	4.80E+00	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	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	05/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.226	4.67E-02	4.50E-01	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0817	4.67E-02	4.90E-01	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.17	3.67E-02	3.90E-01	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.29	4.67E-02	4.60E-01	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00608	4.33E-02	4.70E-01	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.607	1.90E-02	9.10E-02	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.543	1.67E-02	2.90E-02	—	pCi/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.58	1.87E-02	7.00E-02	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.627	1.80E-02	6.30E-02	—	pCi/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.492	1.60E-02	8.40E-02	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.568	1.80E-02	9.70E-02	—	pCi/L	—	—	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00279	2.07E-03	4.20E-02	—	pCi/L	U	U	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0134	2.60E-03	2.70E-02	—	pCi/L	U	U	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00932	1.80E-03	4.00E-02	—	pCi/L	U	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0262	3.13E-03	3.20E-02	—	pCi/L	U	U	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	2.57E-03	4.10E-02	—	pCi/L	U	U	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0118	2.80E-03	4.50E-02	—	pCi/L	U	U	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/05/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.309	1.13E-02	4.50E-02	—	pCi/L	—	—	09-1740	CAMO-09-8203	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.308	1.07E-02	2.70E-02	—	pCi/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.259	1.07E-02	4.60E-02	—	pCi/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.318	1.07E-02	3.90E-02	—	pCi/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.26	1.03E-02	4.10E-02	—	pCi/L	—	—	09-2891	CAMO-09-9580	GELC
R-33	5501	1112.4	05/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.309	1.17E-02	4.80E-02	—	pCi/L	—	—	09-1740	CAMO-09-8202	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	FTB	Voa	SW-846:8260B	Methylene Chloride	—	3.93	—	—	3.00E+00	ug/L	J	J	10-3156	CAMO-10-16819	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-1495	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-412	CAMO-10-3211	GELC
R-33	5501	1112.4	08/14/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-2889	CAMO-09-9580	GELC
R-34	1791	883.7	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-1845	CAMO-09-8190	GELC
R-34	1791	883.7	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.49	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.46	—	—	1.00E-02	SU	H	J-	09-2857	CAMO-09-9564	GELC
R-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-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.1	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.2	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.9	—	—	7.30E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.192	—	—	6.60E-02	mg/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.183	—	—	6.60E-02	mg/L	J	J	10-1807	CAMO-10-9355	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.19	—	—	6.60E-02	mg/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.179	—	—	6.60E-02	mg/L	J	J	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.6	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	46.7	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.1	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.2	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.6	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	46.6	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.5	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.3	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.9	—	—	3.30E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.7	—	—	3.30E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.2	—	—	6.60E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.1	—	—	3.30E-01	mg/L	—	J+	09-2895	CAMO-09-9570	GELC
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	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.242	—	—	3.30E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.279	—	—	3.30E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.28	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	3.30E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	177	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	160	—	—	3.50E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	181	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	179	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.8	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12	—	—	8.50E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.4	—	—	8.50E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.34	—	—	1.00E-01	mg/L	—	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.99	—	—	1.00E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.3	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.08	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.31	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.38	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.28	—	—	1.00E-01	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.24	—	—	2.00E-01	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.28	—	—	1.00E-01	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.4	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.17	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.39	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.2	—	—	1.00E-01	mg/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	471	—	—	1.00E+00	uS/cm	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	448	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	438	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	422	—	—	1.00E+00	uS/cm	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	80.6	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	68.6	—	—	5.00E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	65.1	—	—	1.00E+00	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	60.6	—	—	5.00E-01	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	315	—	—	2.40E+00	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	341	—	—	2.40E+00	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	338	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	310	—	—	2.40E+00	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.1	—	—	3.30E-02	mg/L	—	J-	10-3175	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.345	—	—	3.30E-02	mg/L	—	J-	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.199	—	—	3.30E-02	mg/L	—	J-	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.146	—	—	3.30E-02	mg/L	—	U	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.31	—	—	3.30E-02	mg/L	—	J-	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	3.30E-01	mg/L	—	—	10-3175	CAMO-10-16822	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.5	—	—	3.30E-01	mg/L	—	—	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.58	—	—	3.30E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.47	—	—	3.30E-01	mg/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	1.00E-02	SU	H	J-	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.682	—	—	5.00E-01	ug/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.777	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.653	—	—	5.00E-01	ug/L	J	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.838	—	—	5.00E-01	ug/L	J	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.583	—	—	5.00E-01	ug/L	J	J	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.679	—	—	5.00E-01	ug/L	J	J	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.707	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.687	—	—	5.00E-01	ug/L	J	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	1	—	—	5.00E-01	ug/L	J	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.645	—	—	5.00E-01	ug/L	J	J	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	86.2	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.2	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.7	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	80	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.7	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.7	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	85.1	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	78.2	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	76.9	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	ug/L	J	J	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.00E+01	ug/L	U	U	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	850	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	894	—	—	2.50E+01	ug/L	—	—	10-1971	CAMO-10-9728	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1240	—	—	5.00E+01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	961	—	—	5.00E+00	ug/L	—	—	10-527	CAMO-10-3900	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	885	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	955	—	—	2.50E+01	ug/L	—	—	09-2895	CAMO-09-10297	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1000	—	—	6.30E+01	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	886	—	—	1.50E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	886	—	—	1.50E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	863	—	—	1.50E+00	ug/L	—	—	09-1822	CAMO-09-11421	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	960	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1180	—	—	5.00E+01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	905	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1000	—	—	6.30E+01	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	910	—	—	1.50E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.14	—	—	1.00E+00	ug/L	J	J	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.3	—	—	5.00E-01	ug/L	J	J	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.44	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.64	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.825	—	—	5.00E-01	ug/L	J	J	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.609	—	—	5.00E-01	ug/L	J	J	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.13	—	—	2.00E+00	ug/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.08	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.35	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.56	—	—	2.00E+00	ug/L	J	J	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.87	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.519	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.572	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.564	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.572	—	—	1.00E-01	ug/L	—	U	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.564	—	—	1.00E-01	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.543	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.596	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.565	—	—	1.00E-01	ug/L	—	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.595	—	—	1.00E-01	ug/L	—	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.543	—	—	1.00E-01	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	25.3	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23	—	—	5.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.1	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.7	—	—	5.00E-01	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.2	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	5.00E-01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	9.95	—	—	5.00E-01	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.5	—	—	5.00E-01	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.1	—	—	5.30E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.2	—	—	5.30E-02	mg/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	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	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	172	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	168	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.599	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.626	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.62	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.716	—	—	5.00E-02	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.602	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.648	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.633	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.718	—	—	5.00E-02	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.577	—	—	5.00E-02	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.26	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.04	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.14	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.04	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.77	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.32	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.08	—	—	1.00E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.01	—	—	1.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.3	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.4	—	—	3.30E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.3	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	08/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.7	—	—	3.30E+00	ug/L	—	—	09-2895	CAMO-09-9570	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	05/11/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.4	—	—	2.00E+00	ug/L	—	—	09-1821	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.5	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.8	—	—	3.30E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.9	—	—	3.30E+00	ug/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	25.7	—	—	2.00E+00	ug/L	—	—	09-1821	CAMO-09-8209	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0033	2.47E-03	2.90E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0167	2.70E-03	4.00E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00141	7.00E-04	4.10E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00802	1.27E-03	3.40E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.16	5.00E-01	4.50E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.22	5.00E-01	5.10E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.301	4.33E-01	4.10E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.55	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.76	6.00E-01	5.40E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.58	4.67E-01	5.00E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.143	4.33E-01	4.40E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.66	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/11/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.349	2.13E-01	2.40E+00	—	pCi/L	U	U	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.23	2.63E-01	2.50E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.736	2.17E-01	2.30E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.768	2.30E-01	2.50E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.62	1.17E-01	6.30E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	2.43E-01	2.20E+00	—	pCi/L	U	U	09-1822	CAMO-09-8209	GELC
R-42	8591	931.8	05/11/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.91	3.07E-01	2.60E+00	—	pCi/L	—	—	09-1822	CAMO-09-8210	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.55	2.40E-01	2.20E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.55	3.10E-01	2.70E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.46	4.33E-01	3.60E+00	—	pCi/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.46	4.33E-01	3.70E+00	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.3	3.33E+00	3.00E+01	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.63	7.33E-01	4.20E+00	—	pCi/L	—	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.8	2.20E+01	5.00E+01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.14	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	19.9	3.33E+00	3.50E+01	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-26.4	3.67E+00	3.30E+01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-18.9	3.10E+00	2.80E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00456	1.87E-03	3.60E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00234	7.67E-04	4.10E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00377	2.67E-03	3.10E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	3.88E-09	4.67E-03	3.60E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00912	1.70E-03	3.40E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00468	1.57E-03	2.80E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00753	1.53E-03	3.10E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00407	2.13E-03	4.00E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.54	6.67E+00	6.90E+01	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.1	6.00E+00	6.10E+01	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-21.6	6.67E+00	6.60E+01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-19.9	4.67E+00	4.70E+01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.68	6.00E-01	7.00E+00	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.192	5.00E-01	5.00E+00	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.38	4.33E-01	4.70E+00	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.32	3.67E-01	4.00E+00	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0939	4.33E-02	4.70E-01	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0315	2.90E-02	3.20E-01	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.214	4.00E-02	4.50E-01	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.23	3.67E-02	4.50E-01	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.46	1.53E-02	3.70E-02	—	pCi/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.56	2.23E-02	7.50E-02	—	pCi/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.454	1.40E-02	5.90E-02	—	pCi/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.505	1.77E-02	1.10E-01	—	pCi/L	—	—	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0168	2.67E-03	3.40E-02	—	pCi/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0234	4.00E-03	5.90E-02	—	pCi/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	3.03E-03	3.00E-02	—	pCi/L	U	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0185	3.67E-03	5.50E-02	—	pCi/L	U	U	09-2895	CAMO-09-9568	GELC
R-42	8591	931.8	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.175	8.33E-03	3.40E-02	—	pCi/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.217	1.20E-02	5.30E-02	—	pCi/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.186	7.33E-03	3.60E-02	—	pCi/L	—	—	10-396	CAMO-10-3218	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	08/14/09	WG	UF	CS	—	Rad	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-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.7	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.8	—	—	7.30E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.7	—	—	7.30E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.8	—	—	7.30E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.038	—	—	1.60E-02	mg/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.036	—	—	1.60E-02	mg/L	J	U	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.029	—	—	1.60E-02	mg/L	J	J-	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.022	—	—	1.60E-02	mg/L	J	U	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.06	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.05	—	—	6.60E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	J	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.99	—	—	6.60E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.364	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.268	—	—	3.30E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.3	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.9	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.2	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.3	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.9	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	3.50E-01	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.32	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	1.00E-01	mg/L	—	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.05	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.01	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.945	—	—	5.00E-02	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.375	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.382	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.432	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.382	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.984	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.17	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.47	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.68	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.56	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.73	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.83	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.63	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	uS/cm	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.3	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.03	—	—	1.00E-01	mg/L	—	J	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	10-1802	CAMO-10-9372	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.809	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.346	—	—	3.30E-01	mg/L	J	J	10-1801	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.513	—	—	3.30E-01	mg/L	J	J	10-514	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.565	—	—	3.30E-01	mg/L	J	J	09-2915	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.88	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	1.99	—	—	1.50E+00	ug/L	J	U	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.55	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2.75	—	—	1.50E+00	ug/L	J	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.1	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.1	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.5	—	—	2.50E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.34	—	—	2.50E+00	ug/L	J	J	10-2620	CAMO-10-9729	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3901	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.6	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-10295	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.68	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.33	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11389	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.50E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.8	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.8	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.95	—	—	2.50E+00	ug/L	J	J	09-2647	CAMO-09-11387	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	35.5	—	—	3.00E+01	ug/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	42.7	—	—	3.00E+01	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	78	—	—	3.00E+01	ug/L	J	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51.9	—	—	3.00E+01	ug/L	J	J	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	81.1	—	—	3.00E+01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	358	—	—	3.00E+01	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	376	—	—	3.00E+01	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.901	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.942	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.95	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.92	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.12	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.03	—	—	1.00E-01	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.75	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.28	—	—	5.00E-01	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.937	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.926	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.762	—	—	5.00E-01	ug/L	J	J	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.839	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.922	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.878	—	—	5.00E-01	ug/L	J	J	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	5.30E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	mg/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.3	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.2	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.3	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.8	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.7	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.374	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.474	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3224	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.527	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	5.00E-02	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.359	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.478	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.536	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.418	—	—	5.00E-02	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.21	—	—	1.00E+00	ug/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.19	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.89	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.96	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.24	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.73	—	—	1.00E+00	ug/L	J	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.37	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.81	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.11	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.52	—	—	1.00E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.27	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.26	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	12.2	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.1	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9919	GELC
R-44	8671	895	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	53.3	—	—	3.30E+00	ug/L	—	—	09-2647	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.9	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	14.2	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	81.1	—	—	3.30E+00	ug/L	—	—	09-2647	CAMO-09-11387	GELC
R-44	8671	895	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000264	7.00E-04	2.10E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0136	2.67E-03	3.90E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00124	7.67E-04	3.10E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	5.67E-04	3.10E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.737	5.33E-01	5.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.5	6.00E-01	6.10E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.26	5.00E-01	4.40E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.55	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.584	4.33E-01	4.00E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.516	5.00E-01	5.10E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.789	4.67E-01	4.80E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.946	5.67E-01	5.80E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.27	2.90E-01	2.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11388	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.836	2.33E-01	2.50E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0278	2.10E-01	2.70E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.595	2.13E-01	2.40E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.244	1.13E-01	1.10E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.186	2.60E-01	2.80E+00	—	pCi/L	U	U	09-2648	CAMO-09-11387	GELC
R-44	8671	895	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	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.112	2.20E-01	2.50E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.578	1.87E-01	2.40E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.463	2.63E-01	2.80E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.542	1.80E-01	1.90E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	11.7	1.27E+00	8.70E+00	—	pCi/L	—	—	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.2	2.33E+00	1.40E+01	—	pCi/L	—	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	138	1.97E+01	1.20E+02	—	pCi/L	—	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	143	1.40E+01	1.20E+02	—	pCi/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0477	8.33E-01	8.20E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.67	3.67E+00	3.60E+01	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.02	3.33E+00	3.50E+01	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13	4.00E+00	4.00E+01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00209	7.00E-04	3.30E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00825	1.60E-03	4.80E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.53E-03	3.30E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00365	2.10E-03	3.20E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00209	1.20E-03	3.10E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0055	1.30E-03	3.30E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0122	2.70E-03	3.30E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00365	1.73E-03	3.60E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.7	4.00E+00	4.70E+01	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.36	6.33E+00	6.70E+01	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.7	6.33E+00	6.60E+01	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.64	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.838	4.00E-01	4.20E+00	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.331	5.00E-01	5.00E+00	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.655	5.00E-01	4.50E+00	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.168	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	05/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.417	5.33E-02	4.90E-01	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.11	2.80E-02	3.20E-01	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.409	5.00E-02	4.80E-01	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0055	2.47E-02	2.50E-01	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.67053	2.13E-01	2.11E+00	—	pCi/L	U	U	10-3020	CAMO-10-16840	ARSL
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.47895	9.58E-02	2.87E-01	—	pCi/L	—	U	10-1902	CAMO-10-9370	UMTL
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	—	1.21334	9.58E-02	2.87E-01	—	pCi/L	—	—	10-523	CAMO-10-3225	UMTL
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.54281	9.58E-02	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9922	UMTL
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	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.302	1.27E-02	5.10E-02	—	pCi/L	—	—	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.386	1.73E-02	7.50E-02	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.34	1.23E-02	8.10E-02	—	pCi/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.364	1.37E-02	9.20E-02	—	pCi/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00768	1.83E-03	4.60E-02	—	pCi/L	U	U	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00586	1.97E-03	5.90E-02	—	pCi/L	U	U	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00277	2.77E-03	4.10E-02	—	pCi/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0125	4.33E-03	4.60E-02	—	pCi/L	U	U	09-2916	CAMO-09-9922	GELC
R-44	8671	895	07/14/09	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	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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.103	6.67E-03	4.70E-02	—	pCi/L	—	—	10-3025	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.197	1.13E-02	5.30E-02	—	pCi/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.195	8.33E-03	4.90E-02	—	pCi/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.121	8.67E-03	4.60E-02	—	pCi/L	—	—	09-2916	CAMO-09-9922	GELC
R-44	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	8681	985.3	05/04/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.2	—	—	7.30E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.2	—	—	7.30E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.083	—	—	1.60E-02	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.033	—	—	1.60E-02	mg/L	J	U	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.017	—	—	1.60E-02	mg/L	J	U	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16843	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.13	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.12	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.1	—	—	6.60E-02	mg/L	—	J	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.03	—	—	6.60E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.312	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.341	—	—	3.30E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.287	—	—	3.30E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.495	—	—	3.30E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	47.5	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.51	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.71	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.655	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.585	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.95	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.98	—	—	5.00E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.725	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.345	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16846	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.4	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.359	—	—	5.00E-02	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.33	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.95	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.31	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	144	—	—	1.00E+00	uS/cm	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	uS/cm	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	uS/cm	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.42	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.38	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.36	—	—	1.00E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.03	—	—	1.00E-01	mg/L	—	J	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.78	—	—	1.00E-01	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2916	CAMO-09-9925	GELC
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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/04/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.692	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.624	—	—	3.30E-01	mg/L	J	J	10-3023	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.638	—	—	3.30E-01	mg/L	J	J	10-1801	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.457	—	—	3.30E-01	mg/L	J	J	10-514	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.508	—	—	3.30E-01	mg/L	J	J	09-2915	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.97	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	4.03	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.39	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.81	—	—	1.50E+00	ug/L	J	U	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	4.12	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.45	—	—	1.50E+00	ug/L	J	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	3.1	—	—	1.50E+00	ug/L	J	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.8	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.2	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.3	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.9	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	10.2	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.43	—	—	2.50E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9730	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.99	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3902	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.48	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-10296	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.65	—	—	2.50E+00	ug/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	ug/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	10.6	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16847	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.7	—	—	2.50E+00	ug/L	J	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.42	—	—	2.50E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.44	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.73	—	—	2.50E+00	ug/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.872	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.811	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.886	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.98	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.05	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.974	—	—	1.00E-01	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	0.847	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.819	—	—	1.00E-01	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.869	—	—	1.00E-01	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.999	—	—	1.00E-01	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.03	—	—	1.00E-01	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.87	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.948	—	—	5.00E-01	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.807	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.554	—	—	5.00E-01	ug/L	J	J	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	0.828	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.631	—	—	5.00E-01	ug/L	J	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.897	—	—	5.00E-01	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.832	—	—	5.00E-01	ug/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.535	—	—	5.00E-01	ug/L	J	J	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	71.7	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.3	—	—	5.30E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	64.5	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.1	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.2	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.6	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	64.2	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.4	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.3	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.2	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.7	—	—	1.00E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	67.5	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.437	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.614	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.49	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.54	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.537	—	—	5.00E-02	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.556	—	—	5.00E-02	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.544	—	—	5.00E-02	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.55	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.68	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.32	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.04	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	5.55	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.54	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.28	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.52	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4	—	—	1.00E+00	ug/L	J	J	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.49	—	—	1.00E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	5.26	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16846	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.03	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.21	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	8.42	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	08/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.4	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9925	GELC
R-44	8681	985.3	07/14/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	3.30E+00	ug/L	—	—	09-2632	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	5.21	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.32	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.3	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.01	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.8	—	—	3.30E+00	ug/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.8	—	—	3.30E+00	ug/L	—	—	09-2632	CAMO-09-11393	GELC
R-44	8681	985.3	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	05/04/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	0.00575	1.00E-03	2.10E-02	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00682	1.07E-03	2.00E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00722	1.73E-03	3.50E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0026	7.33E-04	3.50E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00242	7.00E-04	3.30E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-2.02	4.67E-01	4.00E+00	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.09	4.67E-01	4.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.23	5.00E-01	5.20E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.374	5.00E-01	4.80E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.48	5.00E-01	4.50E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.83	9.00E-01	5.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	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	05/04/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.544	3.33E-01	3.70E+00	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.03	4.00E-01	4.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.00197	5.33E-01	5.20E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0264	5.67E-01	5.70E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.442	5.33E-01	5.40E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	07/14/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.04	2.73E-01	2.80E+00	—	pCi/L	U	U	09-2633	CAMO-09-11395	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.686	2.10E-01	2.30E+00	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0164	2.17E-01	2.80E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.209	1.47E-01	2.30E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.136	1.50E-01	2.10E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	1.53	1.60E-01	1.40E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.549	2.17E-01	2.50E+00	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	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	05/04/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	1.62	2.57E-01	2.40E+00	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.702	2.63E-01	2.80E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.499	2.07E-01	2.20E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.634	2.83E-01	2.90E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.68	2.80E-01	2.30E+00	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	18.9	2.80E+00	1.80E+01	—	pCi/L	—	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	21.3	2.97E+00	2.50E+01	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	7.73	8.33E-01	7.50E+00	—	pCi/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	99.6	1.33E+01	9.40E+01	—	pCi/L	—	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	128	1.23E+01	1.10E+02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-1.04	8.33E-01	8.20E+00	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.1	9.00E-01	8.60E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.6	3.03E+00	2.90E+01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.3	4.33E+00	4.10E+01	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.1	4.33E+00	4.40E+01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00881	1.80E-03	3.50E-02	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-5.32E-10	1.50E-03	3.50E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00171	1.77E-03	5.00E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00411	2.90E-03	3.40E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00168	9.67E-04	3.00E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00881	1.63E-03	3.30E-02	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00669	2.87E-03	3.30E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0039	1.60E-03	3.50E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00411	2.17E-03	3.40E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0101	2.10E-03	3.30E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	65.2	6.00E+00	7.10E+01	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.72	8.00E+00	6.70E+01	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.2	6.67E+00	7.10E+01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.3	7.33E+00	7.10E+01	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.27	6.33E+00	6.60E+01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.1	9.00E+00	7.10E+01	—	pCi/L	U	U	09-2633	CAMO-09-11393	GELC
R-44	8681	985.3	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	05/04/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	0.784	4.00E-01	4.20E+00	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.747	4.67E-01	4.90E+00	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.0661	5.00E-01	4.90E+00	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.102	5.00E-01	4.90E+00	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.74	4.33E-01	3.80E+00	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.192	4.67E-02	4.50E-01	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.221	4.33E-02	4.30E-01	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00394	3.10E-02	3.20E-01	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.225	4.33E-02	4.90E-01	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.106	1.90E-02	1.90E-01	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	05/04/10	WG	UF	CS	FD	Rad	LLEE	Tritium	<	-0.6386	2.13E-01	2.17E+00	—	pCi/L	U	U	10-3020	CAMO-10-16847	ARSL
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	0	2.24E-01	2.27E+00	—	pCi/L	U	U	10-3020	CAMO-10-16843	ARSL
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.19158	9.58E-02	2.87E-01	—	pCi/L	U	U	10-1902	CAMO-10-9373	UMTL
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.44702	9.58E-02	2.87E-01	—	pCi/L	—	U	10-523	CAMO-10-3228	UMTL
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.3193	9.58E-02	2.87E-01	—	pCi/L	—	U	09-2930	CAMO-09-9927	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	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	05/04/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.426	1.63E-02	5.30E-02	—	pCi/L	—	—	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.391	1.53E-02	5.10E-02	—	pCi/L	—	—	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.481	2.20E-02	9.10E-02	—	pCi/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.335	1.20E-02	7.40E-02	—	pCi/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.345	1.30E-02	9.40E-02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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	05/04/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0319	4.00E-03	4.80E-02	—	pCi/L	U	U	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0117	2.27E-03	4.70E-02	—	pCi/L	U	U	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0215	4.33E-03	7.30E-02	—	pCi/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00512	2.70E-03	3.80E-02	—	pCi/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0255	3.33E-03	4.70E-02	—	pCi/L	U	U	09-2916	CAMO-09-9927	GELC
R-44	8681	985.3	07/14/09	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	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	05/04/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.242	1.10E-02	4.80E-02	—	pCi/L	—	—	10-3025	CAMO-10-16847	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.161	8.67E-03	4.70E-02	—	pCi/L	—	—	10-3025	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.252	1.47E-02	6.50E-02	—	pCi/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.128	6.67E-03	4.60E-02	—	pCi/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	08/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.132	7.67E-03	4.70E-02	—	pCi/L	—	—	09-2916	CAMO-09-9927	GELC
R-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-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	7.30E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.44	—	—	6.60E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	J	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.22	—	—	6.60E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.295	—	—	3.30E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.273	—	—	3.30E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.481	—	—	3.30E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.8	—	—	3.50E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.1	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.1	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.2	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	3.50E-01	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.4	—	—	3.50E-01	mg/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	8.50E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.84	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.08	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.58	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.57	—	—	8.50E-02	mg/L	—	—	10-3165	CAMO-10-16825	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.74	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.5	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.79	—	—	8.50E-02	mg/L	E	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.28	—	—	1.00E-01	mg/L	—	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.02	—	—	5.00E-02	mg/L	—	J+	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.92	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.535	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.538	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.561	—	—	5.00E-02	ug/L	—	J+	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.486	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	uS/cm	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	223	—	—	1.00E+00	uS/cm	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.22	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.18	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.78	—	—	1.00E-01	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	10-541	CAMO-10-3229	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	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	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.3	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.3	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.9	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.6	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.8	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.50E+01	ug/L	J	J	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	ug/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.4	—	—	2.50E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	21.4	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9731	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3903	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.7	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10293	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.1	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11402	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	2.50E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.3	—	—	2.50E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.50E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.826	—	—	1.00E-01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.938	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.891	—	—	1.00E-01	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-3165	CAMO-10-16825	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.09	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.961	—	—	1.00E-01	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.63	—	—	5.00E-01	ug/L	J	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.03	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.929	—	—	5.00E-01	ug/L	J	J	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.909	—	—	5.00E-01	ug/L	J	J	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.58	—	—	5.00E-01	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.79	—	—	5.00E-01	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.15	—	—	5.00E-01	ug/L	J	J	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	J	J	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.6	—	—	5.30E-02	mg/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	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	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.2	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.6	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	75.3	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.2	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.6	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.7	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.4	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	80.5	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.893	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.963	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.929	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.896	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.862	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.883	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.943	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.63	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.85	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.48	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.23	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.17	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.92	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.46	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.38	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.45	—	—	1.00E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.43	—	—	3.30E+00	ug/L	J	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.7	—	—	3.30E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.3	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	40.8	—	—	3.30E+00	ug/L	—	—	09-2965	CAMO-09-10252	GELC
R-45	8721	880	07/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	63.2	—	—	3.30E+00	ug/L	—	—	09-2677	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.6	—	—	3.30E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.7	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	45.4	—	—	3.30E+00	ug/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	95.6	—	—	3.30E+00	ug/L	—	—	09-2677	CAMO-09-11401	GELC
R-45	8721	880	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00531	1.17E-03	2.80E-02	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00314	6.33E-03	4.80E-02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	5.33E-04	3.00E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.000304	1.07E-03	3.00E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.505	5.33E-01	5.20E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.162	5.00E-01	4.80E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.62	5.00E-01	5.10E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.28	4.00E-01	3.70E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.06	5.33E-01	5.80E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.916	4.67E-01	4.90E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.93	5.00E-01	4.40E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.44	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
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	07/16/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	—	3.38	2.90E-01	1.70E+00	—	pCi/L	—	—	09-2678	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.07	3.03E-01	2.40E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.3	2.20E-01	1.70E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.538	2.20E-01	2.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.34	3.33E-01	2.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.08	2.43E-01	1.80E+00	—	pCi/L	—	U	09-2678	CAMO-09-11401	GELC
R-45	8721	880	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	05/13/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.04	2.30E-01	2.30E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.45	2.40E-01	2.20E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.42	2.90E-01	2.90E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.73	4.00E-01	3.40E+00	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	27.2	2.33E+00	1.40E+01	—	pCi/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	79.9	1.77E+01	1.00E+02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	91.1	2.07E+01	9.60E+01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	79.6	1.03E+01	7.20E+01	—	pCi/L	—	U	09-2965	CAMO-09-10254	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.28	1.07E+00	8.80E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.6	4.33E+00	4.20E+01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.7	4.00E+00	4.10E+01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.06	3.10E+00	2.90E+01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00196	1.13E-03	3.10E-02	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00389	9.33E-04	3.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0188	2.20E-03	3.40E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00368	1.07E-03	3.20E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00391	2.27E-03	2.90E-02	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	6.33E-04	2.20E-02	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00418	1.70E-03	3.40E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00552	1.37E-03	3.60E-02	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.4	6.67E+00	7.10E+01	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	29.6	5.33E+00	5.90E+01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	5.01	6.33E+00	6.60E+01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.03	5.33E+00	5.70E+01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	07/16/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.46	6.00E-01	5.20E+00	—	pCi/L	U	U	09-2678	CAMO-09-11403	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.88	5.00E-01	4.70E+00	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-3.5	4.33E-01	3.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.36	5.00E-01	4.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.6	4.33E-01	3.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.133	4.67E-02	4.80E-01	—	pCi/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.119	4.33E-02	4.90E-01	—	pCi/L	U	U	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.118	3.27E-02	4.20E-01	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0597	2.07E-02	2.10E-01	—	pCi/L	U	U	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.921	2.57E-02	3.10E-02	—	pCi/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.521	1.73E-02	6.90E-02	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.52	1.60E-02	7.00E-02	—	pCi/L	—	—	10-542	CAMO-10-3231	GELC
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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0472	3.67E-03	2.90E-02	—	pCi/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0458	4.67E-03	4.00E-02	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0287	3.27E-03	3.50E-02	—	pCi/L	U	U	10-542	CAMO-10-3231	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-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	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	05/13/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.199	8.67E-03	2.90E-02	—	pCi/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.227	9.67E-03	4.50E-02	—	pCi/L	—	—	10-1468	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.23	9.00E-03	4.30E-02	—	pCi/L	—	—	10-542	CAMO-10-3231	GELC
R-45	8721	880	08/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.242	1.10E-02	5.80E-02	—	pCi/L	—	—	09-2965	CAMO-09-10254	GELC
R-45	8721	880	07/16/09	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	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	120	—	—	7.30E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.5	—	—	7.30E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.032	—	—	1.60E-02	mg/L	J	J-	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.092	—	—	1.60E-02	mg/L	—	U	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.032	—	—	1.60E-02	mg/L	J	J-	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.1	—	—	6.60E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.11	—	—	6.60E-02	mg/L	—	J	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.379	—	—	3.30E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.425	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.399	—	—	3.30E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	3.50E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.4	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	3.50E-01	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.5	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.67	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.82	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.75	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3234	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.59	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.575	—	—	5.00E-02	mg/L	—	J+	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.325	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.374	—	—	5.00E-02	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.383	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.386	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.407	—	—	5.00E-02	ug/L	—	J+	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.07	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.77	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	170	—	—	2.40E+00	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.506	—	—	3.30E-01	mg/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.617	—	—	3.30E-01	mg/L	J	J	10-1466	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.694	—	—	3.30E-01	mg/L	J	J	10-540	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.4	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.4	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.2	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.8	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.5	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.1	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.7	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.1	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.05	—	—	2.50E+00	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.65	—	—	2.50E+00	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.51	—	—	2.50E+00	ug/L	J	J	10-1469	CAMO-10-9732	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.86	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3904	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.94	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.01	—	—	2.50E+00	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.89	—	—	2.50E+00	ug/L	J	J	09-2965	CAMO-09-10294	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.47	—	—	2.50E+00	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.13	—	—	2.50E+00	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.92	—	—	2.50E+00	ug/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.946	—	—	1.00E-01	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.08	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.96	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.13	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.981	—	—	1.00E-01	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.603	—	—	5.00E-01	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.738	—	—	5.00E-01	ug/L	J	U	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.757	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.865	—	—	5.00E-01	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.606	—	—	5.00E-01	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.935	—	—	5.00E-01	ug/L	J	U	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.861	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.751	—	—	5.00E-01	ug/L	J	J	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.7	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73	—	—	5.30E-02	mg/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	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	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.8	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.3	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.4	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	81.7	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	78	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	76.9	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.5	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.659	—	—	5.00E-02	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.911	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.767	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.816	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.676	—	—	5.00E-02	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.898	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.765	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.92	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.19	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.67	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.32	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.25	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.83	—	—	1.00E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.4	—	—	3.30E+00	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.36	—	—	3.30E+00	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.53	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3233	GELC
R-45	8731	974.9	08/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.47	—	—	3.30E+00	ug/L	J	J	09-2965	CAMO-09-10255	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.01	—	—	3.30E+00	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.28	—	—	3.30E+00	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.23	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	3.30E+00	ug/L	—	—	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.27E-03	2.30E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.024	5.33E-03	4.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00285	6.00E-04	3.40E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00442	1.03E-03	2.90E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.846	5.00E-01	5.00E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.15	3.67E-01	3.40E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	4.00E-01	4.20E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0215	4.67E-01	4.70E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.15	5.33E-01	5.90E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.687	4.67E-01	4.70E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.681	4.67E-01	4.80E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.889	4.67E-01	4.20E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.156	1.60E-01	2.20E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0534	1.33E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.825	2.23E-01	2.30E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.137	1.47E-01	1.90E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.6	2.83E-01	2.70E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.35	2.27E-01	2.10E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.309	2.23E-01	2.60E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.18	2.37E-01	2.30E+00	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.16	5.33E-01	2.80E+00	—	pCi/L	—	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.3	1.07E+01	3.50E+01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	24.9	5.00E+00	3.00E+01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	38.8	5.67E+00	5.00E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.866	8.33E-01	8.20E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.61	4.00E+00	3.60E+01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.24	3.33E+00	3.40E+01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-12.2	2.17E+00	1.90E+01	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0137	3.13E-03	3.10E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00198	6.67E-04	3.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00666	1.47E-03	3.60E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	08/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00187	6.33E-04	3.30E-02	—	pCi/L	U	U	09-2965	CAMO-09-10256	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00391	1.60E-03	2.90E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00198	6.67E-04	2.30E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00888	2.57E-03	3.60E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-21.9	7.00E+00	5.90E+01	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-51.6	5.33E+00	4.40E+01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	19.2	6.33E+00	6.50E+01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.5	4.67E-01	5.00E+00	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.08	4.67E-01	4.00E+00	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.02	3.67E-01	3.40E+00	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.251	4.67E-02	4.70E-01	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.239	4.00E-02	4.80E-01	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.262	3.23E-02	4.50E-01	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.459	1.63E-02	4.40E-02	—	pCi/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.588	1.93E-02	7.10E-02	—	pCi/L	—	—	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.465	1.50E-02	7.50E-02	—	pCi/L	—	—	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0167	2.53E-03	4.00E-02	—	pCi/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0219	2.80E-03	4.10E-02	—	pCi/L	U	U	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.63E-03	3.80E-02	—	pCi/L	U	U	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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	05/14/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.192	9.00E-03	4.00E-02	—	pCi/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.205	9.00E-03	4.60E-02	—	pCi/L	—	—	10-1468	CAMO-10-9384	GELC
R-45	8731	974.9	11/16/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.191	8.33E-03	4.60E-02	—	pCi/L	—	—	10-542	CAMO-10-3234	GELC
R-45	8731	974.9	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-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.6	—	—	7.30E-01	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.3	—	—	7.30E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.89	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	2.08	—	—	5.00E-02	mg/L	E	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	3.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	E	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.42	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	3.00E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.58	—	—	6.60E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.62	—	—	6.60E-02	mg/L	—	J+	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.64	—	—	6.60E-02	mg/L	—	J	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.143	—	—	3.30E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.164	—	—	3.30E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.193	—	—	3.30E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	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	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	37.6	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	19.9	—	—	3.50E-01	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.9	—	—	3.50E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.2	—	—	3.50E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.2	—	—	3.50E-01	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.2	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	41.5	—	—	3.50E+00	mg/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.9	—	—	3.50E-01	mg/L	—	—	10-507	CAMO-10-3236	GELC
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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	8.50E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	8.50E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.27	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-01	mg/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.02	—	—	8.50E-02	mg/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.46	—	—	8.50E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.36	—	—	8.50E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.311	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	ug/L	—	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.312	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.278	—	—	5.00E-02	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.317	—	—	5.00E-02	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.81	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.352	—	—	5.00E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.87	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.81	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.9	—	—	5.00E-02	mg/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.99	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	1.65	—	—	1.00E-01	mg/L	E	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.84	—	—	1.00E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	4.50E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.46	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.93	—	—	1.00E-01	mg/L	E	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.43	—	—	1.00E-01	mg/L	—	—	10-507	CAMO-10-3236	GELC
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	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	115	—	—	1.00E+00	uS/cm	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	120	—	—	1.00E+00	uS/cm	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	116	—	—	1.00E+00	uS/cm	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	uS/cm	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.77	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.82	—	—	1.00E-01	mg/L	—	J+	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	<	1.8	—	—	1.00E-01	mg/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.85	—	—	1.00E-01	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	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	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	133	—	—	2.40E+00	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.16	—	—	3.30E-01	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.53	—	—	3.30E-01	mg/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.01	—	—	3.30E-01	mg/L	—	—	10-506	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.16	—	—	3.30E-01	mg/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	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	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.97	—	—	1.00E-02	SU	H	J-	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-507	CAMO-10-3235	GELC
R-46	8741	1340	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	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	3.46	—	—	5.00E-01	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	1.46	—	—	5.00E-01	ug/L	J	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	4.06	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3235	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	F	CS	—	Metals	SW-846:6020	Antimony	—	5.29	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	2.41	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	3.92	—	—	5.00E-01	ug/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	3.7	—	—	5.00E-01	ug/L	—	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	4.5	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	3.93	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	4.52	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.13	—	—	1.50E+00	ug/L	J	J	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.62	—	—	1.50E+00	ug/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.93	—	—	1.50E+00	ug/L	—	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	4.67	—	—	1.00E+00	ug/L	J	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.1	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23.5	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.9	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	ug/L	—	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.5	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.38	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.35	—	—	2.50E+00	ug/L	J	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.63	—	—	2.50E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.33	—	—	2.50E+00	ug/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	6.76	—	—	1.50E+00	ug/L	—	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.52	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.29	—	—	2.50E+00	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.48	—	—	2.50E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.35	—	—	2.50E+00	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.16	—	—	1.50E+00	ug/L	—	U	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.71	—	—	3.00E+00	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.99	—	—	3.00E+00	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.31	—	—	3.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.82	—	—	3.00E+00	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	9.32	—	—	3.00E+00	ug/L	J	J	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2830	CAMO-09-10259	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab 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	Iron	—	27.5	—	—	2.50E+01	ug/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	41.1	—	—	3.00E+01	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	88.1	—	—	3.00E+01	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.3	—	—	3.00E+01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	75.1	—	—	3.00E+01	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	148	—	—	2.50E+01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.787	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.09	—	—	5.00E-01	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.41	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.54	—	—	5.00E-01	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	2.62	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.63	—	—	2.00E+00	ug/L	J	J	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.17	—	—	2.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7	—	—	2.00E+00	ug/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8	—	—	2.00E+00	ug/L	J	J	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.07	—	—	2.00E+00	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.77	—	—	2.00E+00	ug/L	J	J	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.18	—	—	2.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.09	—	—	2.00E+00	ug/L	J	J	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	11.6	—	—	2.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.08	—	—	1.00E-01	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.96	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.01	—	—	5.00E-01	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.43	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.86	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.43	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.73	—	—	5.00E-01	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.37	—	—	5.00E-01	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.39	—	—	5.00E-01	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.9	—	—	5.30E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	14.4	—	—	5.30E-02	mg/L	E	—	10-1655	CAMO-10-9360	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.3	—	—	5.30E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.5	—	—	3.20E-02	mg/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	43.5	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	8.58	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	44.2	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	42.7	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	40.7	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.5	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	45.9	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.45	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.433	—	—	5.00E-02	ug/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.476	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.487	—	—	5.00E-02	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.449	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.435	—	—	5.00E-02	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.476	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.505	—	—	5.00E-02	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.468	—	—	5.00E-02	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00E+00	ug/L	J	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.78	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.24	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.08	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.96	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.42	—	—	1.00E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.35	—	—	1.00E+00	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.65	—	—	1.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.04	—	—	3.30E+00	ug/L	J	J	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	7.36	—	—	3.30E+00	ug/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.41	—	—	3.30E+00	ug/L	J	J	09-2830	CAMO-09-10259	GELC
R-46	8741	1340	06/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	2.00E+00	ug/L	—	—	09-2386	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.49	—	—	3.30E+00	ug/L	J	J	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.9	—	—	3.30E+00	ug/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.89	—	—	3.30E+00	ug/L	—	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.8	—	—	3.30E+00	ug/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.1	—	—	2.00E+00	ug/L	—	—	09-2386	CAMO-09-10498	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00537	1.30E-03	2.40E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00194	2.10E-03	3.80E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00116	1.03E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	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	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	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.73	5.33E-01	4.70E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.24	5.67E-01	5.10E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.26	4.33E-01	3.70E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.752	5.00E-01	5.00E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.9	3.67E-01	3.30E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.678	4.33E-01	4.20E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.99	5.00E-01	5.60E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.391	4.00E-01	3.90E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.275	4.00E-01	3.90E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	06/17/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.41	2.40E-01	2.10E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10499	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.295	1.97E-01	2.40E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.458	1.77E-01	2.80E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.766	2.10E-01	2.20E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.623	1.03E-01	9.50E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.568	1.73E-01	1.80E+00	—	pCi/L	U	UJ	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.35	3.13E-01	2.90E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.58	2.30E-01	2.20E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.96	4.00E-01	3.50E+00	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.07	2.07E-01	2.00E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	28.3	2.33E+00	3.20E+01	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	197	1.60E+01	1.30E+02	—	pCi/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	95.9	1.00E+01	7.30E+01	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	37.9	1.73E+01	5.70E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.01	9.67E-01	1.00E+01	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	61.9	5.33E+00	4.80E+01	—	pCi/L	UI	R	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.37	4.00E+00	3.90E+01	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.2	3.33E+00	3.50E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00396	1.60E-03	3.10E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.00E-04	3.50E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.27E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0122	3.67E-03	3.20E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0198	2.30E-03	2.90E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0145	1.83E-03	2.40E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.03E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0142	2.23E-03	4.00E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00606	1.50E-03	3.70E-02	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.98	6.00E+00	6.00E+01	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.8	6.00E+00	6.10E+01	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10.7	5.33E+00	5.10E+01	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.5	6.00E+00	5.70E+01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.931	4.67E-01	4.30E+00	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.22	6.00E-01	5.60E+00	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.123	4.67E-01	4.40E+00	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.41	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.9	3.67E-01	3.50E+00	—	pCi/L	U	U	09-2387	CAMO-09-10498	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00173	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.218	4.33E-02	4.20E-01	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.103	4.33E-02	4.40E-01	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.209	5.00E-02	4.80E-01	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.32	1.23E-02	4.30E-02	—	pCi/L	—	—	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.304	1.00E-02	4.60E-02	—	pCi/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.29	1.03E-02	6.30E-02	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.376	1.37E-02	8.90E-02	—	pCi/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0162	2.43E-03	3.90E-02	—	pCi/L	U	U	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0182	2.07E-03	2.60E-02	—	pCi/L	U	U	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.013	2.07E-03	3.20E-02	—	pCi/L	U	U	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0288	3.10E-03	4.40E-02	—	pCi/L	U	U	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	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	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.165	8.00E-03	3.90E-02	—	pCi/L	—	—	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.155	6.33E-03	3.00E-02	—	pCi/L	—	—	10-1655	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.135	6.33E-03	3.90E-02	—	pCi/L	—	—	10-507	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	9.00E-03	4.40E-02	—	pCi/L	—	—	09-2830	CAMO-09-10260	GELC
R-46	8741	1340	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	05/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	1.38	—	—	2.50E-01	ug/L	—	—	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	3.24	—	—	2.50E-01	ug/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	1.9	—	—	2.50E-01	ug/L	—	—	10-506	CAMO-10-3236	GELC
R-46	8741	1340	08/10/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	4.58	—	—	2.50E-01	ug/L	—	—	09-2829	CAMO-09-10260	GELC
R-46	8741	1340	06/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Toluene	—	3.3	—	—	2.50E-01	ug/L	—	—	09-2385	CAMO-09-10498	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.1	—	—	7.30E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.89	—	—	6.60E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	J-	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.5	—	—	3.50E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.8	—	—	3.50E-01	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.57	—	—	8.50E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.695	—	—	5.00E-02	mg/L	—	J	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.7	—	—	5.00E-02	mg/L	—	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.454	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.32	—	—	5.00E-02	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	uS/cm	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	uS/cm	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.39	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.71	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	818	—	—	6.80E+01	ug/L	N	J+	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	895	—	—	6.80E+01	ug/L	N	J+	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	125	—	—	6.80E+01	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.15	—	—	1.50E+00	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.85	—	—	1.50E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.11	—	—	1.50E+00	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.32	—	—	1.50E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.2	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.1	—	—	1.50E+01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18978	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.56	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.58	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.01	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18977	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.51	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	462	—	—	3.00E+01	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	83.1	—	—	3.00E+01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	499	—	—	3.00E+01	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	153	—	—	3.00E+01	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Lead	—	1.24	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	1.29	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	29.9	—	—	2.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.04	—	—	2.00E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	29.2	—	—	2.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.27	—	—	2.00E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.833	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.552	—	—	5.00E-01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.838	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.7	—	—	5.30E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.5	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.8	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.8	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.667	—	—	5.00E-02	ug/L	—	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.69	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.766	—	—	5.00E-02	ug/L	—	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.68	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.66	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	103	—	—	3.30E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.41	—	—	3.30E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	99.7	—	—	3.30E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.44	—	—	3.30E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00392	1.93E-03	2.50E-02	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000319	9.00E-04	2.60E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.15	5.00E-01	5.40E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.91	5.33E-01	4.80E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.515	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.14	3.13E-01	3.30E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.78	4.67E-01	1.90E+00	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.615	1.93E-01	2.10E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.37	2.90E-01	2.50E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.81	2.90E-01	2.60E+00	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.7	2.63E+00	4.50E+01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.4	1.63E+00	1.10E+01	—	pCi/L	—	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.41	1.03E+00	9.30E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.88	1.63E+00	1.30E+01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.67E-03	1.50E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0144	2.53E-03	4.20E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00954	3.20E-03	1.40E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0048	1.13E-03	2.90E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.36	7.00E+00	7.40E+01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.38	4.33E+00	3.90E+01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	4.67E-01	4.10E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.00936	3.27E-01	3.20E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00354	4.67E-02	4.90E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0601	4.00E-02	4.90E-01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.27	3.33E-02	3.10E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.455	1.40E-02	2.90E-02	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0556	4.00E-03	2.80E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.07E-03	2.30E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.593	1.77E-02	2.80E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.217	8.00E-03	2.00E-02	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Diethylphthalate	—	14.2	—	—	2.10E+00	ug/L	—	—	10-3284	CAMO-10-19013	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	10.5	—	—	2.10E+00	ug/L	U	U	10-2408	CAMO-10-13924	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.68	—	—	6.60E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.73	—	—	6.60E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.289	—	—	3.30E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.312	—	—	3.30E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	3.50E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.1	—	—	3.50E-01	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	J	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.23	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.455	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.485	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.452	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.09	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.98	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.95	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.59	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.22	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.041	—	—	3.30E-02	mg/L	J	J	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.559	—	—	3.30E-01	mg/L	J	J	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.479	—	—	3.30E-01	mg/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	127	—	—	6.80E+01	ug/L	J	J+	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.848	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.753	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.95	—	—	1.50E+00	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.07	—	—	1.50E+00	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.50E+01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-2347	CAMO-10-13852	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	49.8	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18481	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	52.9	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	53.8	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	69.7	—	—	2.50E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.9	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	55.7	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18974	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	71	—	—	2.50E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	99.9	—	—	3.00E+01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.9	—	—	3.00E+01	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	UJ	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.571	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	UJ	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	90.6	—	—	2.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	17.6	—	—	2.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	89.5	—	—	2.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.5	—	—	2.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.86	—	—	1.00E-01	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.31	—	—	1.00E-01	ug/L	—	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.52	—	—	1.00E-01	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.33	—	—	1.00E-01	ug/L	—	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.37	—	—	5.00E-01	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.2	—	—	5.30E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.3	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.509	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.523	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.559	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.11	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.12	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.97	—	—	1.00E+00	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	200	—	—	3.30E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.96	—	—	3.30E+00	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	186	—	—	3.30E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.30E+00	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00627	1.70E-03	2.10E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00416	1.30E-03	2.60E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.648	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.314	5.67E-01	5.40E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.107	7.00E-01	6.90E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.18	7.00E-01	5.80E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.135	1.57E-01	2.20E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.274	1.73E-01	2.10E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.0163	2.13E-01	2.50E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.646	2.63E-01	2.70E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	85.3	7.00E+00	8.20E+01	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	107	9.33E+00	1.00E+02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.32	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.5	2.83E+00	2.40E+01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00188	6.33E-04	3.00E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00421	2.43E-03	3.70E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	9.00E-04	2.80E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0147	1.87E-03	2.50E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.3	8.00E+00	9.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.86	6.00E+00	6.00E+01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.158	5.33E-01	4.90E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.65	5.00E-01	5.40E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0295	4.33E-02	4.60E-01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0629	4.67E-02	4.80E-01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.549	1.67E-02	2.90E-02	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.456	1.57E-02	4.40E-02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	1.97E-03	2.70E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	2.07E-03	3.50E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.201	8.00E-03	2.70E-02	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.198	8.67E-03	3.10E-02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	FD	Svoa	SW-846:8270C	Benzoic Acid	—	13	—	—	6.30E+00	ug/L	J	J	10-3274	CAMO-10-19012	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Svoa	SW-846:8270C	Benzoic Acid	<	22	—	—	6.60E+00	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	05/27/10	WG	UF	DL	FD	Svoa	SW-846:8270C	Diethylphthalate	—	432	—	—	8.40E+00	ug/L	—	J	10-3274	CAMO-10-19012	GELC
R-50	9021	1077	05/27/10	WG	UF	RE	FD	Svoa	SW-846:8270C	Diethylphthalate	—	2.99	—	—	2.20E+00	ug/L	J	J-	10-3274	CAMO-10-19012	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	—	60	—	—	2.10E+00	ug/L	—	J	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	05/27/10	WG	UF	RE	—	Svoa	SW-846:8270C	Diethylphthalate	—	7.8	—	—	2.10E+00	ug/L	J	J-	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Svoa	SW-846:8270C	Diethylphthalate	<	11	—	—	2.20E+00	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	—	—	05/17/10	W	UF	CS	EQB	Svoa	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	10.2	—	—	2.10E+00	ug/L	J	J	10-3196	GW50-10-17154	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.3	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	3.00E-02	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.2	—	—	3.60E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.1	—	—	3.60E-02	mg/L	—	J	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:200.7	Calcium	—	13.6	—	—	3.60E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	3.00E-02	mg/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.6	—	—	3.60E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	34.4	—	—	3.60E-02	mg/L	—	J	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:200.7	Calcium	—	14.2	—	—	3.60E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	12.9	—	—	6.60E-02	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35	—	—	1.30E-01	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	10	—	—	6.60E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	48.8	—	—	5.30E-01	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	9.94	—	—	6.60E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	42.7	—	—	2.65E-01	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:300.0	Chloride	—	48.4	—	—	5.30E-01	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.224	—	—	3.30E-02	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.173	—	—	3.30E-02	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.195	—	—	3.30E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.06	—	—	3.00E-02	mg/L	J	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	3.30E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.228	—	—	3.00E-02	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.072	—	—	3.00E-02	mg/L	J	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.1	—	—	3.50E-01	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43	—	—	3.50E-01	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.1	—	—	8.50E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	8.50E-02	mg/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.2	—	—	8.50E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.7	—	—	3.50E-01	mg/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.5	—	—	3.50E-01	mg/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.5	—	—	8.50E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	120	—	—	8.50E-02	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.6	—	—	8.50E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.06	—	—	8.50E-02	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.15	—	—	8.50E-02	mg/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:200.7	Magnesium	—	2.24	—	—	8.50E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.22	—	—	8.50E-02	mg/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.54	—	—	8.50E-02	mg/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.2	—	—	8.50E-02	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:200.7	Magnesium	—	2.72	—	—	8.50E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.109	—	—	5.00E-02	mg/L	J	J	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.05	—	—	1.00E-02	mg/L	U	U	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	<	0.014	—	—	1.40E-02	mg/L	U	UJ	175055	GF06090PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	<	0.0281	—	—	3.00E-03	mg/L	—	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:353.1	Nitrate-Nitrite as Nitrogen	<	0.014	—	—	1.40E-02	mg/L	U	UJ	175055	GU06090PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.97	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.22	—	—	5.00E-02	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.31	—	—	5.00E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	7.31	—	—	5.00E-02	mg/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:200.7	Potassium	—	5.08	—	—	5.00E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	6.92	—	—	5.00E-02	mg/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.41	—	—	5.00E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.5	—	—	5.00E-02	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:200.7	Potassium	—	5.72	—	—	5.00E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	25.9	—	—	3.20E-02	mg/L	—	—	175055	GF06090PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	29.4	—	—	3.20E-02	mg/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:200.7	Silicon Dioxide	—	25.2	—	—	3.20E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	27.3	—	—	3.20E-02	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	SW-846:6010B	Silicon Dioxide	—	127	—	—	1.60E-01	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:200.7	Silicon Dioxide	—	41.3	—	—	3.20E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	38.5	—	—	4.50E-02	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.4	—	—	4.50E-02	mg/L	—	J+	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	41.1	—	—	4.50E-02	mg/L	—	J	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:200.7	Sodium	—	41.8	—	—	4.50E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	39.2	—	—	4.50E-02	mg/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.7	—	—	4.50E-02	mg/L	—	J+	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	43.8	—	—	4.50E-02	mg/L	—	J	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:200.7	Sodium	—	42.4	—	—	4.50E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	19600	—	—	1.00E+00	uS/cm	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	283	—	—	1.00E+00	uS/cm	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	279	—	—	1.00E+00	uS/cm	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	SW-846:9050A	Specific Conductance	—	308	—	—	1.00E+00	uS/cm	—	—	137159	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	280	—	—	1.00E+00	uS/cm	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	333	—	—	1.00E+00	uS/cm	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	SW-846:9050A	Specific Conductance	—	308	—	—	1.00E+00	uS/cm	—	—	137159	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.46	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.12	—	—	1.00E-01	mg/L	—	J-	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.27	—	—	1.00E-01	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.36	—	—	5.70E-02	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.28	—	—	1.00E-01	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.02	—	—	5.70E-02	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.42	—	—	5.70E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	1.8	—	—	1.10E+00	mg/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.8	—	—	2.28E+00	mg/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	79	—	—	2.85E+00	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	RE	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	87	—	—	2.85E+00	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	10.8	—	—	2.28E+00	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	RE	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	10.8	—	—	2.28E+00	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	204	—	—	2.40E+00	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.38E+00	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.38E+00	mg/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	238	—	—	2.38E+00	mg/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.38E+00	mg/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	238	—	—	2.38E+00	mg/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	14.8	—	—	3.30E-01	mg/L	—	—	10-3002	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.63	—	—	3.30E-01	mg/L	—	—	08-1705	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.44	—	—	3.30E-01	mg/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	7.52	—	—	7.40E-02	mg/L	—	—	135409	GU0504PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	05/03/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	1.46	—	—	1.00E-02	SU	H	J-	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.22	—	—	1.00E-02	SU	H	J-	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	7.14	—	—	1.00E-02	SU	H	J	175055	GF06090PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.72	—	—	—	SU	H	J	135409	GF0504PW1ST01	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Geninorg	EPA:150.1	pH	—	7.15	—	—	1.00E-02	SU	H	J	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Geninorg	EPA:150.1	pH	—	6.89	—	—	1.00E-02	SU	H	J	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Geninorg	EPA:150.1	pH	—	6.76	—	—	—	SU	H	J	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	447	—	—	6.80E+01	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	4180	—	—	6.80E+01	ug/L	*	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	68	—	—	6.80E+01	ug/L	U	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Aluminum	—	1620	—	—	6.80E+01	ug/L	N	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	154	—	—	6.80E+01	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	8810	—	—	6.80E+01	ug/L	*	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	262	—	—	6.80E+01	ug/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	37700	—	—	6.80E+01	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Aluminum	—	5760	—	—	6.80E+01	ug/L	N	J+	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	0.5	—	—	5.00E-01	ug/L	U	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	0.5	—	—	5.00E-01	ug/L	U	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.8	Antimony	<	0.5	—	—	5.00E-01	ug/L	U	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.693	—	—	5.00E-01	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/L	U	U	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.5	—	—	5.00E-01	ug/L	U	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	1	—	—	5.00E-01	ug/L	J	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.8	Antimony	<	0.5	—	—	5.00E-01	ug/L	U	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	75	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	77.7	—	—	1.00E+00	ug/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	86	—	—	1.00E+00	ug/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	95.3	—	—	1.00E+00	ug/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Barium	—	68.8	—	—	1.00E+00	ug/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	75	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	94.2	—	—	1.00E+00	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	89	—	—	1.00E+00	ug/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	349	—	—	1.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Barium	—	83.9	—	—	1.00E+00	ug/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.50E+01	ug/L	J	J	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	57	—	—	1.00E+01	ug/L	—	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.00E+01	ug/L	J	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	46	—	—	1.00E+01	ug/L	J	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Boron	—	12.5	—	—	1.00E+01	ug/L	J	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.9	—	—	1.50E+01	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	58.7	—	—	1.00E+01	ug/L	—	J	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	1.00E+01	ug/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	57.7	—	—	1.00E+01	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Boron	—	11.2	—	—	1.00E+01	ug/L	J	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	7.7	—	—	3.00E+00	ug/L	J	J	10-3003	CAMO-10-16709	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.4	—	—	3.00E+00	ug/L	J	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	3	—	—	3.00E+00	ug/L	U	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	3	—	—	3.00E+00	ug/L	U	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Copper	—	3.1	—	—	3.00E+00	ug/L	J	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.16	—	—	3.00E+00	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.7	—	—	3.00E+00	ug/L	J	J	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	3	—	—	3.00E+00	ug/L	U	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	25	—	—	3.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Copper	—	4.6	—	—	3.00E+00	ug/L	J	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	256	—	—	3.00E+01	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1830	—	—	2.50E+01	ug/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	26	—	—	1.80E+01	ug/L	J	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	129	—	—	1.80E+01	ug/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Iron	—	852	—	—	1.80E+01	ug/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	124	—	—	3.00E+01	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	4010	—	—	2.50E+01	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	181	—	—	1.80E+01	ug/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	37800	—	—	1.80E+01	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Iron	—	3070	—	—	1.80E+01	ug/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Lead	—	1.2	—	—	5.00E-01	ug/L	J	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.8	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.612	—	—	5.00E-01	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.9	—	—	5.00E-01	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	0.5	—	—	5.00E-01	ug/L	U	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	33.6	—	—	5.00E-01	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.8	Lead	—	2.2	—	—	5.00E-01	ug/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	22.2	—	—	2.00E+00	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	13.1	—	—	2.00E+00	ug/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Manganese	<	2	—	—	2.00E+00	ug/L	U	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	449	—	—	2.00E+00	ug/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Manganese	—	8.7	—	—	2.00E+00	ug/L	J	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	30.4	—	—	2.00E+00	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	26.3	—	—	2.00E+00	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.9	—	—	2.00E+00	ug/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1690	—	—	2.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Manganese	—	23.3	—	—	2.00E+00	ug/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.69	—	—	1.00E-01	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3	—	—	1.00E-01	ug/L	—	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	4.8	—	—	2.00E+00	ug/L	J	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Molybdenum	—	12.6	—	—	2.00E+00	ug/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Molybdenum	—	3.1	—	—	2.00E+00	ug/L	J	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.78	—	—	1.00E-01	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.1	—	—	1.00E-01	ug/L	—	J	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	5.7	—	—	2.00E+00	ug/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Molybdenum	—	15.5	—	—	2.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Molybdenum	—	3.3	—	—	2.00E+00	ug/L	J	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.9	—	—	5.00E-01	ug/L	J	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Nickel	<	2.7	—	—	1.00E+00	ug/L	J	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.32	—	—	5.00E-01	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	3	—	—	5.00E-01	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.1	—	—	2.50E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Nickel	<	1.4	—	—	1.00E+00	ug/L	J	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	21.5	—	—	5.30E-02	mg/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.3	—	—	3.20E-02	mg/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6020	Silver	—	0.227	—	—	2.00E-01	ug/L	J	J	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6020	Silver	<	0.2	—	—	2.00E-01	ug/L	U	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6020	Silver	<	0.2	—	—	2.00E-01	ug/L	U	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Silver	<	1	—	—	1.00E+00	ug/L	U	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.385	—	—	2.00E-01	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	0.2	—	—	2.00E-01	ug/L	U	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.39	—	—	2.00E-01	ug/L	J	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Silver	<	1	—	—	1.00E+00	ug/L	U	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.1	—	—	1.00E+00	ug/L	—	—	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Strontium	—	72.2	—	—	1.00E+00	ug/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	127	—	—	1.00E+00	ug/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Strontium	—	75.7	—	—	1.00E+00	ug/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.677	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.093	—	—	5.00E-02	ug/L	J	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.24	—	—	5.00E-02	ug/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.712	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.2	—	—	5.00E-02	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.49	—	—	5.00E-02	ug/L	—	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.9	—	—	5.00E-02	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.83	—	—	1.00E+00	ug/L	J	J	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.1	—	—	1.00E+00	ug/L	J	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	ug/L	J	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	1	—	—	1.00E+00	ug/L	U	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Vanadium	<	2.2	—	—	1.00E+00	ug/L	J	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.78	—	—	1.00E+00	ug/L	J	J	10-3003	CAMO-10-16710	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.4	—	—	1.00E+00	ug/L	—	—	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.6	—	—	1.00E+00	ug/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	36.4	—	—	1.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Vanadium	<	5.8	—	—	1.00E+00	ug/L	—	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.34	—	—	3.30E+00	ug/L	J	J	10-3003	CAMO-10-16709	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.3	—	—	2.00E+00	ug/L	*	J	08-1706	CAMO-08-14426	GELC
TS-1W	—	—	10/25/06	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.9	—	—	2.00E+00	ug/L	J	—	175055	GF06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.8	—	—	2.00E+00	ug/L	J	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Metals	EPA:200.7	Zinc	—	15.4	—	—	2.00E+00	ug/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.58	—	—	3.30E+00	ug/L	J	J	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	37.2	—	—	2.00E+00	ug/L	*	J	08-1706	CAMO-08-14427	GELC
TS-1W	—	—	10/25/06	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.5	—	—	2.00E+00	ug/L	J	—	175055	GU06090PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	213	—	—	2.00E+00	ug/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Metals	EPA:200.7	Zinc	—	30.9	—	—	2.00E+00	ug/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	HASL-300	Americium-241	—	0.042	3.67E-03	2.80E-02	—	pCi/L	—	—	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00281	2.11E-03	3.73E-02	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	HASL-300	Americium-241	—	0.0466	3.67E-03	2.90E-02	—	pCi/L	—	J	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0115	1.70E-03	2.10E-02	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	—	0.143	6.00E-03	2.60E-02	—	pCi/L	—	—	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0398	5.27E-03	4.32E-02	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	HASL-300	Americium-241	—	0.0809	4.97E-03	3.00E-02	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	4.94	5.00E-01	5.60E+00	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.14	3.17E-01	3.32E+00	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	3.33	3.47E-01	4.16E+00	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.57	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.843	3.67E-01	4.00E+00	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.736	2.95E-01	3.19E+00	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.512	3.97E-01	4.44E+00	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0782	4.67E-01	4.50E+00	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	4.81	3.60E-01	3.86E+00	—	pCi/L	UI	R	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.39	3.03E-01	3.03E+00	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.65	4.33E-01	4.80E+00	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.303	5.67E-01	5.60E+00	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.54	3.15E-01	3.66E+00	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.857	4.00E-01	4.81E+00	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0881	1.70E-01	2.14E+00	—	pCi/L	U	U, J-	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.736	1.90E-01	2.33E+00	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.111	2.23E-01	2.90E+00	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	7.41	6.67E-01	6.47E+00	—	pCi/L	—	J-, J	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	2.57	2.08E-01	1.83E+00	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	25.7	6.07E-01	2.38E+00	—	pCi/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	12.5	2.56E-01	1.41E+00	—	pCi/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	25.7	9.33E-01	2.60E+00	—	pCi/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	43.9	6.73E-01	3.77E+00	—	pCi/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	16	3.50E-01	2.87E+00	—	pCi/L	—	—	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	26.9	1.00E+01	3.50E+01	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	62.4	2.73E+01	2.31E+02	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	101	4.10E+01	2.85E+02	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.53	5.00E-01	3.40E+00	—	pCi/L	—	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.1	5.67E+00	4.40E+01	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	58.4	4.43E+01	2.40E+02	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	92.2	2.22E+01	3.42E+02	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.91	4.00E+00	3.40E+01	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.23	2.38E+00	2.36E+01	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.1	2.54E+00	2.73E+01	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	2.52	1.03E+00	1.00E+01	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.85	3.03E+00	3.10E+01	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.72	1.38E+00	1.35E+01	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.62	1.71E+00	1.67E+01	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.294	9.00E-03	2.70E-02	—	pCi/L	—	—	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.0667	4.67E-03	4.77E-02	—	pCi/L	—	J	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	HASL-300	Plutonium-238	—	0.234	7.40E-03	3.50E-02	—	pCi/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0193	2.17E-03	3.40E-02	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	1.15	2.47E-02	3.30E-02	—	pCi/L	—	—	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	0.518	1.97E-02	9.11E-02	—	pCi/L	—	J+	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	—	1.01	1.86E-02	3.70E-02	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.158	6.67E-03	3.30E-02	—	pCi/L	—	—	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00919	2.87E-03	4.03E-02	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0712	3.83E-03	3.00E-02	—	pCi/L	—	J	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0257	2.70E-03	3.20E-02	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.489	1.37E-02	4.10E-02	—	pCi/L	—	—	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.189	1.13E-02	7.69E-02	—	pCi/L	—	J, J+	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.381	9.87E-03	3.20E-02	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.72	5.33E+00	5.10E+01	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	34.2	4.43E+00	5.31E+01	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.81	4.47E+00	3.11E+01	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-43.9	6.33E+00	5.50E+01	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-10	6.00E+00	5.80E+01	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.9	6.40E+00	2.68E+01	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.2	3.70E+00	4.44E+01	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0355	4.67E-01	4.70E+00	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.863	3.04E-01	3.60E+00	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.562	2.83E-01	3.37E+00	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.07	3.67E-01	3.10E+00	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.0767	4.33E-01	4.30E+00	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.569	2.81E-01	2.91E+00	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.459	4.13E-01	4.38E+00	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	2.26	8.67E-02	2.20E-01	—	pCi/L	—	—	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	9.1	8.47E-02	2.52E-01	—	pCi/L	—	—	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	4.13	5.93E-02	2.36E-01	—	pCi/L	—	—	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	9.12	2.87E-01	4.00E-01	—	pCi/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	2.65	1.00E-01	3.30E-01	—	pCi/L	—	—	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	6.63	7.03E-02	2.46E-01	—	pCi/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	4.51	6.23E-02	2.62E-01	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	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-1W	—	—	08/18/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.0562	4.00E-03	5.20E-02	—	pCi/L	—	—	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.11	7.60E-03	1.08E-01	—	pCi/L	—	J	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.13	6.10E-03	6.40E-02	—	pCi/L	—	J	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.229	9.33E-03	3.80E-02	—	pCi/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.113	5.00E-03	5.40E-02	—	pCi/L	—	—	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.226	9.77E-03	8.62E-02	—	pCi/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.15	6.13E-03	6.10E-02	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00938	1.67E-03	2.80E-02	—	pCi/L	U	U	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0568	6.43E-03	8.12E-02	—	pCi/L	U	U	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0253	3.00E-03	4.10E-02	—	pCi/L	U	U	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00859	1.67E-03	3.50E-02	—	pCi/L	U	U	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0116	1.60E-03	2.90E-02	—	pCi/L	U	U	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.021	4.37E-03	6.49E-02	—	pCi/L	U	U	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0281	3.29E-03	3.90E-02	—	pCi/L	U	U	135409	GU0504PW1ST01	GELC
TS-1W	—	—	08/18/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0273	2.83E-03	2.70E-02	—	pCi/L	—	—	08-1707	CAMO-08-14426	GELC
TS-1W	—	—	09/20/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.0955	6.57E-03	7.64E-02	—	pCi/L	—	J	146252	GF0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.103	5.27E-03	4.50E-02	—	pCi/L	—	J	135409	GF0504PW1ST01	GELC
TS-1W	—	—	05/03/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.257	1.03E-02	3.50E-02	—	pCi/L	—	—	10-3003	CAMO-10-16710	GELC
TS-1W	—	—	08/18/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0972	4.67E-03	2.80E-02	—	pCi/L	—	—	08-1707	CAMO-08-14427	GELC
TS-1W	—	—	09/20/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.215	9.03E-03	6.10E-02	—	pCi/L	—	—	146252	GU0509PW1ST01	GELC
TS-1W	—	—	04/26/05	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.15	6.43E-03	4.30E-02	—	pCi/L	—	J	135409	GU0504PW1ST01	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	14.8	—	—	7.30E-01	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	17.5	—	—	7.30E-01	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	123	—	—	7.30E-01	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.334	—	—	6.60E-02	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.349	—	—	6.60E-02	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.2	—	—	5.00E-02	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	5.00E-02	mg/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	90.1	—	—	6.60E-01	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	78.7	—	—	6.60E-01	mg/L	—	—	10-394	CASA-10-3597	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.377	—	—	3.30E-02	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.307	—	—	3.30E-02	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67	—	—	3.50E-01	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	93.3	—	—	3.50E-01	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	05/05/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	111	—	—	3.50E-01	mg/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	68.5	—	—	3.50E-01	mg/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	94.3	—	—	3.50E-01	mg/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.07	—	—	8.50E-02	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.36	—	—	8.50E-02	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.14	—	—	8.50E-02	mg/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.44	—	—	8.50E-02	mg/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.31	—	—	8.50E-02	mg/L	—	—	09-1746	CASA-09-8239	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.091	—	—	5.00E-02	mg/L	J	J	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.1	—	—	5.00E-02	mg/L	—	J	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.285	—	—	5.00E-02	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	3.4	—	—	2.50E-01	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.146	—	—	5.00E-02	ug/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.376	—	—	5.00E-02	ug/L	—	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.27	—	—	1.00E-01	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.7	—	—	5.00E-02	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.1	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.9	—	—	5.00E-02	mg/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	05/05/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.5	—	—	5.00E-02	mg/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	84.2	—	—	1.00E-01	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	89	—	—	1.00E-01	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	85.5	—	—	1.00E-01	mg/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	88.3	—	—	1.00E-01	mg/L	—	—	10-394	CASA-10-3599	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	614	—	—	1.00E+00	uS/cm	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	609	—	—	1.00E+00	uS/cm	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	570	—	—	1.00E+00	uS/cm	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	747	—	—	1.00E+00	uS/cm	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	815	—	—	1.00E+00	uS/cm	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.9	—	—	1.00E-01	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	34.4	—	—	2.00E-01	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	6.4	—	—	2.30E+00	mg/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	34.4	—	—	2.30E+00	mg/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.6	—	—	1.10E+00	mg/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	14.2	—	—	1.10E+00	mg/L	—	—	09-849	CASA-09-2746	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	399	—	—	2.40E+00	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	446	—	—	2.40E+00	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.318	—	—	3.30E-02	mg/L	—	J+	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.395	—	—	3.30E-02	mg/L	—	J-	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	05/05/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.78	—	—	3.30E-01	mg/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.4	—	—	3.30E-01	mg/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.78	—	—	7.50E-02	mg/L	—	J	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.46	—	—	1.50E-02	mg/L	—	J-	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.73	—	—	1.00E-02	SU	H	J-	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	195	—	—	6.80E+01	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	970	—	—	6.80E+01	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	134	—	—	6.80E+01	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.31	—	—	1.50E+00	ug/L	J	J	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-394	CASA-10-3597	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.31	—	—	1.50E+00	ug/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.5	—	—	1.50E+00	ug/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.89	—	—	1.50E+00	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.72	—	—	1.50E+00	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	29.9	—	—	1.00E+00	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	32.6	—	—	1.00E+00	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	34.8	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.3	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.9	—	—	1.00E+00	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.5	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	43.8	—	—	1.50E+01	ug/L	J	J	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	49.3	—	—	1.50E+01	ug/L	J	J	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	51.5	—	—	1.50E+01	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	68.3	—	—	1.00E+01	ug/L	—	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	43.2	—	—	1.00E+01	ug/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.1	—	—	1.50E+01	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	48.4	—	—	1.50E+01	ug/L	J	J	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.4	—	—	1.50E+01	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	68.8	—	—	1.00E+01	ug/L	—	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	6.36	—	—	2.50E+00	ug/L	J	J	10-394	CASA-10-3597	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.59	—	—	2.50E+00	ug/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	1.50E+00	ug/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.9	—	—	1.50E+00	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.50E+00	ug/L	J	J	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.89	—	—	2.50E+00	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.79	—	—	1.50E+00	ug/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.55	—	—	3.00E+00	ug/L	J	J	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.28	—	—	3.00E+00	ug/L	J	J	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.47	—	—	3.00E+00	ug/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.1	—	—	3.00E+00	ug/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.98	—	—	3.00E+00	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.32	—	—	3.00E+00	ug/L	J	J	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.67	—	—	3.00E+00	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.09	—	—	3.00E+00	ug/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	133	—	—	3.00E+01	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	117	—	—	3.00E+01	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	3.00E+01	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	72.2	—	—	2.50E+01	ug/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	105	—	—	2.50E+01	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	235	—	—	3.00E+01	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	711	—	—	3.00E+01	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	209	—	—	3.00E+01	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	120	—	—	2.50E+01	ug/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-394	CASA-10-3597	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.643	—	—	5.00E-01	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.1	—	—	5.00E-01	ug/L	J	J	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.666	—	—	5.00E-01	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.42	—	—	2.00E+00	ug/L	J	J	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.66	—	—	2.00E+00	ug/L	J	J	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.43	—	—	2.00E+00	ug/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.31	—	—	2.00E+00	ug/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	ug/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.58	—	—	2.00E+00	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.3	—	—	2.00E+00	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.33	—	—	2.00E+00	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.37	—	—	2.00E+00	ug/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.61	—	—	1.00E-01	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.74	—	—	1.00E-01	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.83	—	—	1.00E-01	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.52	—	—	1.00E-01	ug/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.9	—	—	1.00E-01	ug/L	—	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.53	—	—	1.00E-01	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.42	—	—	1.00E-01	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	10.1	—	—	1.00E-01	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.47	—	—	1.00E-01	ug/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	10-394	CASA-10-3597	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.67	—	—	5.00E-01	ug/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.82	—	—	5.00E-01	ug/L	J	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.44	—	—	5.00E-01	ug/L	J	J	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.95	—	—	5.00E-01	ug/L	J	J	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.72	—	—	5.00E-01	ug/L	J	J	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.78	—	—	5.00E-01	ug/L	J	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	90.9	—	—	5.30E-02	mg/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	105	—	—	5.30E-02	mg/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	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	—	—	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	—	—	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	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	84.5	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	98.5	—	—	1.00E+00	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	138	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	85.9	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	102	—	—	1.00E+00	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.239	—	—	5.00E-02	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.55	—	—	5.00E-02	ug/L	—	U	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.652	—	—	5.00E-02	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.921	—	—	5.00E-02	ug/L	—	J	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.92	—	—	5.00E-02	ug/L	—	—	09-849	CASA-09-2745	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.269	—	—	5.00E-02	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.576	—	—	5.00E-02	ug/L	—	U	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.671	—	—	5.00E-02	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1	—	—	5.00E-02	ug/L	—	J	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.2	—	—	1.00E+00	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.94	—	—	1.00E+00	ug/L	—	—	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.63	—	—	1.00E+00	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	16	—	—	3.30E+00	ug/L	—	—	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.8	—	—	3.30E+00	ug/L	—	—	10-394	CASA-10-3597	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.4	—	—	3.30E+00	ug/L	J	J	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	21	—	—	2.00E+00	ug/L	—	—	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/09/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.6	—	—	2.00E+00	ug/L	—	—	09-849	CASA-09-2745	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18.5	—	—	3.30E+00	ug/L	—	—	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.5	—	—	3.30E+00	ug/L	—	—	10-394	CASA-10-3599	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.1	—	—	3.30E+00	ug/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.2	—	—	2.00E+00	ug/L	—	—	09-1746	CASA-09-8239	GELC
R-10	6381	874	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	09/23/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	02/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3705	GELC
R-10	6381	874	09/23/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	02/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	09-891	CASA-09-2785	GELC
R-10	6391	1042	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9480	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	09/23/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3709	GELC
R-10	6391	1042	09/23/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	05/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	09-1840	CASA-09-8271	GELC
R-10a	6371	690	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	05/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00E+00	uS/cm	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-446	CASA-10-3712	GELC
R-10a	6371	690	08/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2855	CASA-09-10362	GELC
R-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-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.9	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.9	—	—	7.30E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68	—	—	7.30E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.8	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.8	—	—	3.00E-02	mg/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.76	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.01	—	—	6.60E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.76	—	—	6.60E-02	mg/L	—	J	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.69	—	—	6.60E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.437	—	—	3.30E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.395	—	—	3.30E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.58	—	—	3.30E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.1	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	75	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.5	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	3.50E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.6	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.6	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.2	—	—	3.50E-01	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.05	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.09	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3715	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.12	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.69	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.92	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.29	—	—	8.50E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.23	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.28	—	—	1.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.98	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.11	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.79	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.824	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.821	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.746	—	—	5.00E-02	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.817	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	2.50E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	2.50E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	5.00E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	224	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00E+00	uS/cm	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	199	—	—	1.00E+00	uS/cm	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	210	—	—	1.00E+00	uS/cm	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	uS/cm	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.73	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.91	—	—	1.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.26	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.41	—	—	1.00E-01	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.40E+00	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16777	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.05	—	—	1.00E-02	SU	H	J-	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.75	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.14	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.56	—	—	1.50E+00	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	7.41	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.5	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	28.6	—	—	1.50E+01	ug/L	J	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.50E+01	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	43.8	—	—	1.00E+01	ug/L	J	U	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.8	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	29.4	—	—	1.50E+01	ug/L	J	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	ug/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	47	—	—	1.00E+01	ug/L	J	U	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	22.7	—	—	2.50E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	20	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.50E+00	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	1.50E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17	—	—	1.50E+00	ug/L	—	—	09-1663	CASA-09-12365	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	22.4	—	—	2.50E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.8	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.6	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14	—	—	1.50E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.61	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.65	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.00E-01	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.68	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9459	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.82	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.78	—	—	1.00E-01	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.00E-01	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.847	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.878	—	—	5.00E-01	ug/L	JN	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.597	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.619	—	—	5.00E-01	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.719	—	—	5.00E-01	ug/L	J	J	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.927	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.925	—	—	5.00E-01	ug/L	JN	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.598	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.617	—	—	5.00E-01	ug/L	J	J	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.782	—	—	5.00E-01	ug/L	J	J	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.9	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	5.30E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.9	—	—	5.30E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	5.30E-02	mg/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	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	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.1	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.1	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91.3	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	86.8	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.2	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	83.5	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.2	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	87.1	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.664	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.701	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.805	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.784	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.729	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.816	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.856	—	—	5.00E-02	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.781	—	—	5.00E-02	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.79	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.21	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.54	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.38	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.51	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8275	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.08	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.16	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.34	—	—	1.00E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.67	—	—	1.00E+00	ug/L	—	—	09-1662	CASA-09-8274	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.33	—	—	3.30E+00	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.63	—	—	3.30E+00	ug/L	J	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.98	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	08/10/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.33	—	—	3.30E+00	ug/L	J	J	09-2826	CASA-09-10364	GELC
R-11	5531	855	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10.8	—	—	2.00E+00	ug/L	—	U	09-1662	CASA-09-8275	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.7	—	—	3.30E+00	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.4	—	—	3.30E+00	ug/L	J	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	08/10/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	ug/L	—	—	09-2826	CASA-09-10366	GELC
R-11	5531	855	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	13.9	—	—	2.00E+00	ug/L	—	U	09-1662	CASA-09-8274	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	80.2	—	—	7.30E-01	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.30E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.5	—	—	7.30E-01	mg/L	—	—	10-483	CASA-10-3821	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	05/05/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.32	—	—	1.60E-02	mg/L	—	J	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.243	—	—	1.60E-02	mg/L	—	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.172	—	—	1.60E-02	mg/L	—	J	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.153	—	—	1.60E-02	mg/L	—	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.277	—	—	1.60E-02	mg/L	—	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0983	—	—	6.60E-02	mg/L	J	J	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.102	—	—	6.60E-02	mg/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0999	—	—	6.60E-02	mg/L	J	J	10-483	CASA-10-3821	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.3	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3821	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-09-8277	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.2	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.8	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	30.6	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3822	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	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.3	—	—	6.60E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	14.7	—	—	6.60E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	16.8	—	—	6.60E-02	mg/L	—	—	10-483	CASA-10-3821	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	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.272	—	—	3.30E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.301	—	—	3.30E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.286	—	—	3.30E-02	mg/L	—	—	10-483	CASA-10-3821	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	05/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	90.1	—	—	3.50E-01	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	81.4	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	92	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3821	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
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	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.3	—	—	3.50E-01	mg/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.2	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	103	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3822	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.49	—	—	8.50E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.01	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.71	—	—	8.50E-02	mg/L	—	—	10-483	CASA-10-3821	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.3	—	—	8.50E-02	mg/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.52	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.41	—	—	8.50E-02	mg/L	—	—	10-483	CASA-10-3822	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	05/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.14	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3821	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.258	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.351	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.193	—	—	5.00E-02	ug/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	ug/L	—	—	09-982	CASA-09-3013	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.2	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.95	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.25	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3821	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-09-9293	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.13	—	—	5.00E-02	mg/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.13	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.67	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3822	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	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3821	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-09-8277	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	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3822	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	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	255	—	—	1.00E+00	uS/cm	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	226	—	—	1.00E+00	uS/cm	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	253	—	—	1.00E+00	uS/cm	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	211	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.72	—	—	1.00E-01	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.76	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.93	—	—	1.00E-01	mg/L	—	J	10-483	CASA-10-3821	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	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1774	CASA-10-9443	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-483	CASA-10-3821	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	05/05/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.268	—	—	3.30E-02	mg/L	—	J+	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.045	—	—	3.30E-02	mg/L	J	J-	10-1773	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.402	—	—	3.30E-02	mg/L	—	—	10-482	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.138	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.234	—	—	3.30E-02	mg/L	—	J-	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.77	—	—	3.30E-01	mg/L	J	J	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.11	—	—	3.30E-01	mg/L	—	—	10-1773	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	10-482	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.19	—	—	3.30E-01	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.35	—	—	3.30E-01	mg/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.35	—	—	1.50E+00	ug/L	J	J	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.17	—	—	1.50E+00	ug/L	J	J	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.1	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.4	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.7	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/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	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.1	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.6	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/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	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	43.6	—	—	1.50E+01	ug/L	J	J	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33	—	—	1.50E+01	ug/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.3	—	—	1.50E+01	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	33.1	—	—	1.50E+01	ug/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	ug/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	ug/L	J	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.4	—	—	1.50E+01	ug/L	J	J	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.9	—	—	1.50E+01	ug/L	J	J	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.5	—	—	1.50E+01	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.4	—	—	1.50E+01	ug/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	ug/L	J	J	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.92	—	—	2.50E+00	ug/L	J	J	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-483	CASA-10-3821	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2799	CASA-09-10379	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.82	—	—	1.50E+00	ug/L	—	—	09-1787	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.68	—	—	2.50E+00	ug/L	J	J	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2799	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	65.6	—	—	3.00E+01	ug/L	J	J	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	97.5	—	—	3.00E+01	ug/L	J	U	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	80.1	—	—	3.00E+01	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	66.4	—	—	3.00E+01	ug/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	ug/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	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	63.5	—	—	3.00E+01	ug/L	J	J	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	89.6	—	—	3.00E+01	ug/L	J	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	84.4	—	—	3.00E+01	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	114	—	—	3.00E+01	ug/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	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	142	—	—	2.00E+00	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	131	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	161	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	126	—	—	2.00E+00	ug/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	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	137	—	—	2.00E+00	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	137	—	—	2.00E+00	ug/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	136	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	153	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	126	—	—	2.00E+00	ug/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	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.24	—	—	1.00E-01	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.19	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.33	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.17	—	—	1.00E-01	ug/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	ug/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.29	—	—	1.00E-01	ug/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.07	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.36	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.15	—	—	1.00E-01	ug/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	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.22	—	—	5.00E-01	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.81	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2.27	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.55	—	—	5.00E-01	ug/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	ug/L	J	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	ug/L	J	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.21	—	—	5.00E-01	ug/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.93	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.73	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	ug/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	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.2	—	—	5.30E-02	mg/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.8	—	—	5.30E-02	mg/L	—	—	10-1774	CASA-10-9443	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.2	—	—	5.30E-02	mg/L	—	—	10-483	CASA-10-3821	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-09-9293	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	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	118	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/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	ug/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	ug/L	—	—	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	117	—	—	1.00E+00	ug/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	122	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	131	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	103	—	—	1.00E+00	ug/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	ug/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.786	—	—	5.00E-02	ug/L	—	—	10-3059	CASA-10-16748	GELC
R-12	8401	459	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.774	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9443	GELC
R-12	8401	459	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.719	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3821	GELC
R-12	8401	459	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.597	—	—	5.00E-02	ug/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	ug/L	—	J	09-1788	CASA-09-9293	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.673	—	—	5.00E-02	ug/L	—	J	09-1788	CASA-09-8277	GELC
R-12	8401	459	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.802	—	—	5.00E-02	ug/L	—	—	10-3059	CASA-10-16747	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.813	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.727	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/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	ug/L	—	J	09-1788	CASA-09-8276	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.1	—	—	7.30E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.2	—	—	7.30E-01	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.026	—	—	1.60E-02	mg/L	J	J-	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.043	—	—	1.60E-02	mg/L	J	U	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.016	—	—	1.60E-02	mg/L	J	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.022	—	—	1.60E-02	mg/L	J	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.101	—	—	1.60E-02	mg/L	—	J-	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0983	—	—	6.60E-02	mg/L	J	J	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3825	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	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.92	—	—	6.60E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.07	—	—	6.60E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.06	—	—	6.60E-02	mg/L	—	J	10-483	CASA-10-3824	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	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.275	—	—	3.30E-02	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.5	—	—	3.50E-01	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.7	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	3.50E-01	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.5	—	—	3.50E-01	mg/L	—	—	10-483	CASA-10-3825	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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.84	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	J	10-483	CASA-10-3824	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	J	10-483	CASA-10-3825	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	05/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.846	—	—	5.00E-02	ug/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.907	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.943	—	—	5.00E-02	ug/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	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.24	—	—	5.00E-02	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-483	CASA-10-3825	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	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.01	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3824	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.45	—	—	1.00E-01	mg/L	—	—	10-483	CASA-10-3825	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	05/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.52	—	—	1.00E-01	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.98	—	—	1.00E-01	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.74	—	—	1.00E-01	mg/L	—	J	10-483	CASA-10-3824	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	05/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.40E+00	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	128	—	—	2.40E+00	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-483	CASA-10-3824	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	05/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.695	—	—	3.30E-01	mg/L	J	J	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.662	—	—	3.30E-01	mg/L	J	J	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.617	—	—	3.30E-01	mg/L	J	J	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.942	—	—	3.30E-01	mg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1661	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.87	—	—	1.50E+00	ug/L	J	J	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.21	—	—	1.50E+00	ug/L	J	J	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.5	—	—	1.00E+00	ug/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	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.3	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.5	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.8	—	—	1.00E+00	ug/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	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.7	—	—	1.50E+01	ug/L	J	J	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	—	—	10-483	CASA-10-3824	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	32.1	—	—	1.00E+01	ug/L	J	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.3	—	—	1.50E+01	ug/L	J	J	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2799	CASA-10-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	33.3	—	—	1.00E+01	ug/L	J	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.9	—	—	2.00E+00	ug/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.9	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	37.7	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	36.5	—	—	2.00E+00	ug/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	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	38.3	—	—	2.00E+00	ug/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	36.7	—	—	2.00E+00	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	38.7	—	—	2.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	37.6	—	—	2.00E+00	ug/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	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.54	—	—	1.00E-01	ug/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.46	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.65	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	1.00E-01	ug/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	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.55	—	—	1.00E-01	ug/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.49	—	—	1.00E-01	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.00E-01	ug/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	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.661	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.572	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.58	—	—	5.00E-01	ug/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	ug/L	U	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.54	—	—	5.00E-01	ug/L	J	J	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.514	—	—	5.00E-01	ug/L	J	J	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.538	—	—	5.00E-01	ug/L	—	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.561	—	—	5.00E-01	ug/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	ug/L	U	U	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	46.7	—	—	5.30E-02	mg/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.2	—	—	5.30E-02	mg/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	47.8	—	—	5.30E-02	mg/L	—	—	10-483	CASA-10-3824	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
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	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	73.2	—	—	1.00E+00	ug/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.2	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.6	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	ug/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	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.4	—	—	1.00E+00	ug/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.6	—	—	1.00E+00	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.6	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.9	—	—	1.00E+00	ug/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	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	ug/L	—	—	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.525	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9448	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.458	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.576	—	—	5.00E-02	ug/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	ug/L	—	—	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.507	—	—	5.00E-02	ug/L	—	—	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.516	—	—	5.00E-02	ug/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.488	—	—	5.00E-02	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	ug/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	ug/L	—	—	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.49	—	—	1.00E+00	ug/L	J	J	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.79	—	—	1.00E+00	ug/L	J	J	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.22	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.24	—	—	1.00E+00	ug/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	ug/L	J	J	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.18	—	—	1.00E+00	ug/L	J	J	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.81	—	—	1.00E+00	ug/L	J	J	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.18	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.33	—	—	1.00E+00	ug/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	ug/L	J	J	09-1662	CASA-09-8279	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1774	CASA-10-9448	GELC
R-12	8411	504.5	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	2.87	—	—	2.00E+00	ug/L	J	U	09-1662	CASA-09-8281	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.68	—	—	3.30E+00	ug/L	J	J	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	3.89	—	—	2.00E+00	ug/L	J	U	09-1662	CASA-09-8279	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	103	—	—	7.30E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	104	—	—	7.30E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	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	05/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.07	—	—	1.60E-02	mg/L	—	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.529	—	—	1.60E-02	mg/L	—	J	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.06	—	—	6.60E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.29	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.32	—	—	6.60E-02	mg/L	—	J+	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.18	—	—	6.60E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	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	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.625	—	—	3.30E-02	mg/L	—	—	10-375	CASA-10-3826	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA: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	05/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.1	—	—	3.50E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.3	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	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	05/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.1	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3827	GELC
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	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	8.50E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.74	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.07	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.58	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.95	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.51	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.85	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	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	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.417	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.387	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.396	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.433	—	—	5.00E-02	ug/L	—	—	09-1643	CASA-09-8304	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.04	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.34	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.32	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.1	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.08	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.26	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.05	—	—	5.00E-02	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.5	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	248	—	—	1.00E+00	uS/cm	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	238	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.23	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.46	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.3	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.34	—	—	1.00E-01	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.64	—	—	1.00E-01	mg/L	—	—	09-1643	CASA-09-8304	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	217	—	—	2.40E+00	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	203	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	213	—	—	2.40E+00	mg/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	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	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.546	—	—	3.30E-01	mg/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.717	—	—	3.30E-01	mg/L	J	J	10-1825	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.915	—	—	3.30E-01	mg/L	J	J	10-374	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-2767	CASA-09-10387	GELC
R-35a	8331	1013.1	04/28/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1642	CASA-09-8305	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	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	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.82	—	—	1.50E+00	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.55	—	—	1.50E+00	ug/L	—	U	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.83	—	—	1.50E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.95	—	—	1.50E+00	ug/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.02	—	—	1.50E+00	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.2	—	—	1.50E+00	ug/L	J	U	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.83	—	—	1.50E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	332	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	68	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	334	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	328	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	339	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.9	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	338	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	345	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.3	—	—	1.50E+01	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	38.5	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41.4	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.9	—	—	1.50E+01	ug/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.7	—	—	1.50E+01	ug/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.1	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.6	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	36	—	—	1.50E+01	ug/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.06	—	—	2.50E+00	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.88	—	—	2.50E+00	ug/L	JN	J	10-1948	CASA-10-9837	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.78	—	—	2.50E+00	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.64	—	—	2.50E+00	ug/L	—	—	10-665	CASA-10-3895	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.02	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	ug/L	J	J	09-2768	CASA-09-10405	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.57	—	—	2.50E+00	ug/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13	—	—	2.50E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	29.2	—	—	2.50E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.7	—	—	2.50E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	25.9	—	—	2.50E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	38.4	—	—	3.00E+01	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2768	CASA-09-10390	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	115	—	—	3.00E+01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	125	—	—	3.00E+01	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	80.5	—	—	3.00E+01	ug/L	J	U	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.55	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.89	—	—	2.00E+00	ug/L	J	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.05	—	—	2.00E+00	ug/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.6	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.97	—	—	2.00E+00	ug/L	J	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.31	—	—	1.00E-01	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.00E-01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.09	—	—	1.00E-01	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	1.00E-01	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	10.7	—	—	5.00E-01	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.9	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.4	—	—	5.00E-01	ug/L	—	J	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.6	—	—	5.00E-01	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.4	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	ug/L	—	J	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.4	—	—	5.30E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.4	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	84.7	—	—	5.30E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.8	—	—	5.30E-02	mg/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	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	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	164	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	156	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	161	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	166	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.606	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.616	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.559	—	—	5.00E-02	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.625	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.639	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.566	—	—	5.00E-02	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.7	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	17.4	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.9	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.3	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.2	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.1	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.2	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.7	—	—	1.00E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.45	—	—	3.30E+00	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.4	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.2	—	—	3.30E+00	ug/L	—	—	09-2768	CASA-09-10390	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.2	—	—	3.30E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.2	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.8	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.7	—	—	3.30E+00	ug/L	—	—	09-2768	CASA-09-10387	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.4	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.9	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.5	—	—	7.30E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.1	—	—	7.30E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.6	—	—	7.30E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
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	05/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.7	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.78	—	—	6.60E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.45	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.478	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.786	—	—	3.30E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.661	—	—	3.30E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	59.9	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.9	—	—	3.50E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	60.6	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.3	—	—	3.50E-01	mg/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	09-1624	CASA-09-8309	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	<	5.12	—	—	8.50E-02	mg/L	—	R	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.04	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.81	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.03	—	—	8.50E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	<	5.24	—	—	8.50E-02	mg/L	—	R	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.62	—	—	8.50E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.4	—	—	5.00E-02	mg/L	—	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	5.00E-02	mg/L	—	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.09	—	—	5.00E-02	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.561	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.536	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.58	—	—	5.00E-02	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.531	—	—	5.00E-02	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.547	—	—	5.00E-02	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.05	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.12	—	—	5.00E-02	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	5.00E-01	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	5.00E-01	mg/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	4.50E-02	mg/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	uS/cm	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	163	—	—	1.00E+00	uS/cm	—	—	09-2779	CASA-09-10394	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.55	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.56	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.59	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.46	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.47	—	—	1.00E-01	mg/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	2.40E+00	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	10-335	CASA-10-3831	GELC
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	05/12/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.381	—	—	3.30E-01	mg/L	J	J	10-3151	CASA-10-16790	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.85	—	—	3.30E-01	mg/L	J	J	10-1825	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.434	—	—	3.30E-01	mg/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.582	—	—	3.30E-01	mg/L	J	J	09-2778	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	09-1623	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.019	—	—	1.50E-02	mg/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.092	—	—	1.50E-02	mg/L	—	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.036	—	—	1.50E-02	mg/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.038	—	—	1.50E-02	mg/L	J	U	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.122	—	—	1.50E-02	mg/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	2.15	—	—	1.50E+00	ug/L	J	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	25	—	—	7.50E+00	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	4.04	—	—	1.50E+00	ug/L	J	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	2.16	—	—	1.50E+00	ug/L	J	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.77	—	—	1.50E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	25	—	—	7.50E+00	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.13	—	—	1.50E+00	ug/L	J	U	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	39.7	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.9	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	40.8	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	40.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.2	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16789	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	ug/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.00E+01	ug/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.4	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.9	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.00E+01	ug/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.49	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.63	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.6	—	—	2.50E+00	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.83	—	—	2.50E+00	ug/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	7.48	—	—	1.50E+00	ug/L	—	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	9.48	—	—	1.50E+00	ug/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	ug/L	—	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	6.19	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.82	—	—	2.50E+00	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	7.3	—	—	1.50E+00	ug/L	—	U	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	66.2	—	—	3.00E+01	ug/L	J	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	UJ	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	UJ	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	31.9	—	—	2.50E+01	ug/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.542	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.734	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.548	—	—	5.00E-01	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	2.85	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.64	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.25	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	2.17	—	—	2.00E+00	ug/L	J	R	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.3	—	—	2.00E+00	ug/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	3.4	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.25	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.84	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.89	—	—	2.00E+00	ug/L	J	J	10-335	CASA-10-3830	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	2.64	—	—	2.00E+00	ug/L	J	R	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.06	—	—	2.00E+00	ug/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.5	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.22	—	—	1.00E-01	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.37	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	5.00E-01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.736	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.856	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.948	—	—	5.00E-01	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	ug/L	J	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.731	—	—	5.00E-01	ug/L	J	J	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.802	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.834	—	—	5.00E-01	ug/L	J	J	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	79.9	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.2	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.2	—	—	5.30E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.6	—	—	5.30E-02	mg/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	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	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	68	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.5	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.9	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.6	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	69	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.3	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.7	—	—	1.00E+00	ug/L	—	J	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.343	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.345	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.301	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.33	—	—	5.00E-02	ug/L	—	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.326	—	—	5.00E-02	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.312	—	—	5.00E-02	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.341	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.351	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.418	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9469	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.331	—	—	5.00E-02	ug/L	—	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.33	—	—	5.00E-02	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.288	—	—	5.00E-02	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	15	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.9	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	34.6	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16789	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	36.2	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	30.2	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.2	—	—	3.30E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	32.5	—	—	3.30E+00	ug/L	—	—	09-2779	CASA-09-10394	GELC
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.3	—	—	2.00E+00	ug/L	—	—	09-1624	CASA-09-8307	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	41.3	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16790	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.5	—	—	3.30E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	39.1	—	—	3.30E+00	ug/L	—	—	09-2779	CASA-09-10392	GELC
R-35b	8351	825.4	04/27/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	2.00E+00	ug/L	—	—	09-1624	CASA-09-8309	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.5	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.9	—	—	7.30E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.1	—	—	7.30E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.3	—	—	7.30E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.6	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.63	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.68	—	—	6.60E-02	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.84	—	—	6.60E-02	mg/L	—	J+	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.55	—	—	6.60E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.48	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.797	—	—	3.30E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.653	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.8	—	—	3.50E+00	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3833	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.2	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.3	—	—	3.50E+00	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.8	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.8	—	—	3.50E-01	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.25	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-01	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.49	—	—	1.00E-01	mg/L	—	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.27	—	—	5.00E-02	mg/L	—	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.4	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.00E-01	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.43	—	—	1.00E-01	ug/L	—	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.7	—	—	1.00E-01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	04/28/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	2.00E-01	ug/L	—	—	09-1643	CASA-09-8312	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.03	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.1	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.9	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	204	—	—	1.00E+00	uS/cm	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00E+00	uS/cm	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.06	—	—	1.00E-01	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.14	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.40E+00	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.40E+00	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	177	—	—	2.40E+00	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.568	—	—	3.30E-01	mg/L	J	J	10-3151	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.11	—	—	3.30E-01	mg/L	—	—	10-1643	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.959	—	—	3.30E-01	mg/L	J	J	10-374	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.941	—	—	3.30E-01	mg/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	10-375	CASA-10-3833	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.72	—	—	1.50E+00	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	4.64	—	—	1.50E+00	ug/L	J	U	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	2.6	—	—	1.50E+00	ug/L	J	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.6	—	—	1.50E+00	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.3	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.6	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.1	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.6	—	—	1.50E+01	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.89	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.19	—	—	2.50E+00	ug/L	J	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.75	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.3	—	—	2.50E+00	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.84	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.01	—	—	2.50E+00	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.28	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.99	—	—	2.50E+00	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	122	—	—	3.00E+01	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	527	—	—	3.00E+01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	54.3	—	—	3.00E+01	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.638	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.52	—	—	5.00E-01	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.624	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10376	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.69	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.6	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.19	—	—	2.00E+00	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.18	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.13	—	—	2.00E+00	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.21	—	—	2.00E+00	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.92	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.00E-01	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.06	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.77	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.73	—	—	1.00E-01	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.85	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.81	—	—	1.00E-01	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.11	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.76	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.59	—	—	5.00E-01	ug/L	J	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.55	—	—	5.00E-01	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.87	—	—	5.00E-01	ug/L	J	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.73	—	—	5.00E-01	ug/L	J	J	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	5.30E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	5.30E-02	mg/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.3	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	68.7	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.9	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.5	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.4	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.334	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.277	—	—	5.00E-02	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.271	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.338	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.281	—	—	5.00E-02	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.25	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.348	—	—	5.00E-02	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	67.3	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	62.8	—	—	3.30E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	68.6	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	70.3	—	—	3.30E+00	ug/L	—	—	09-2799	CASA-09-10377	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.6	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	72.1	—	—	3.30E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	68.9	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	73	—	—	3.30E+00	ug/L	—	—	09-2799	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00834	1.37E-03	2.70E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0204	2.50E-03	3.10E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00621	1.27E-03	3.20E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00286	6.67E-04	2.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.228	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.19	3.67E-01	3.80E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.744	3.67E-01	3.30E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.467	3.67E-01	3.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.74	5.33E-01	6.10E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.19	4.67E-01	4.00E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.566	3.67E-01	3.50E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.4	4.67E-01	5.00E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.46	2.67E-01	2.30E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.29	2.33E-01	2.00E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.2	1.97E-01	2.60E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.151	2.37E-01	2.90E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.16	2.67E-01	2.30E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.22	2.50E-01	2.50E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.49	3.13E-01	2.40E+00	—	pCi/L	—	—	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.83	1.40E-01	1.30E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18	2.43E+00	9.40E+00	—	pCi/L	—	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	98.3	1.37E+01	9.90E+01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	22.7	6.33E+00	3.50E+01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	63	1.03E+01	6.20E+01	—	pCi/L	—	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.311	1.00E+00	9.60E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-4.95	3.10E+00	3.00E+01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-6.28	3.30E+00	2.80E+01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
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	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.10E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.67E-04	3.30E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00438	3.27E-03	3.60E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00655	1.47E-03	3.30E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00197	1.47E-03	2.90E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00195	1.13E-03	2.30E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00657	2.20E-03	3.60E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00218	1.27E-03	4.00E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	6.52	7.00E+00	7.30E+01	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.7	5.00E+00	5.50E+01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-26.2	5.33E+00	5.10E+01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.82	5.67E+00	5.50E+01	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.26	4.67E-01	3.90E+00	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.86	3.67E-01	4.60E+00	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.873	4.00E-01	4.20E+00	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.15	5.00E-01	4.30E+00	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.327	5.00E-02	4.70E-01	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0752	4.00E-02	4.10E-01	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.181	4.33E-02	4.90E-01	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.256	4.67E-02	4.50E-01	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.261	1.00E-02	3.40E-02	—	pCi/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.239	1.03E-02	7.90E-02	—	pCi/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.25	9.00E-02	6.40E-02	—	pCi/L	—	—	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.556	1.63E-02	6.80E-02	—	pCi/L	—	—	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0127	2.27E-03	3.10E-02	—	pCi/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.17E-03	4.50E-02	—	pCi/L	U	U	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.011	1.97E-03	3.20E-02	—	pCi/L	U	U	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0199	2.50E-03	3.30E-02	—	pCi/L	U	U	09-2800	CASA-09-10376	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.105	5.67E-03	3.10E-02	—	pCi/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.113	6.67E-03	5.10E-02	—	pCi/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.116	5.67E-03	3.90E-02	—	pCi/L	—	—	10-376	CASA-10-3834	GELC
R-36	8431	766.9	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.206	8.00E-03	3.40E-02	—	pCi/L	—	—	09-2800	CASA-09-10376	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	40.4	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	40.3	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.7	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.7	—	—	7.30E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.115	—	—	6.60E-02	mg/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.114	—	—	6.60E-02	mg/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.2	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.81	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.75	—	—	6.60E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.38	—	—	6.60E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.11	—	—	6.60E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.343	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.39	—	—	3.30E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.365	—	—	3.30E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.536	—	—	3.30E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.4	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3858	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	08/18/09	WG	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.67	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.3	—	—	8.50E-02	mg/L	—	—	09-2939	CAMO-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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.51	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.21	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.36	—	—	1.00E-01	mg/L	—	J	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.65	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.851	—	—	5.00E-02	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.678	—	—	5.00E-02	ug/L	—	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.9	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.886	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.793	—	—	5.00E-02	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10396	GELC
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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.55	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.56	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.2	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.77	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	184	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16794	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.40E+00	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.40E+00	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.879	—	—	3.30E-01	mg/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.514	—	—	3.30E-01	mg/L	J	J	10-1596	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.699	—	—	3.30E-01	mg/L	J	J	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.06	—	—	3.30E-01	mg/L	—	—	09-2938	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.52	—	—	3.30E-01	mg/L	—	—	09-2432	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	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	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.3	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.2	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.7	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	14.1	—	—	1.00E+01	ug/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	14.3	—	—	1.00E+01	ug/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.71	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	2.50E+00	ug/L	J	J	10-1600	CASA-10-9838	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.63	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3896	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.25	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.27	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10403	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.35	—	—	1.50E+00	ug/L	J	J	09-2433	CAMO-09-10504	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	1.50E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.25	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.91	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.05	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.74	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.81	—	—	1.50E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	54.7	—	—	3.00E+01	ug/L	J	J	10-3108	CASA-10-16795	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	35.9	—	—	3.00E+01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.5	—	—	3.00E+01	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	123	—	—	2.50E+01	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.71	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.56	—	—	1.00E-01	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.58	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	1.00E-01	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.28	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.28	—	—	5.00E-01	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.93	—	—	5.00E-01	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.34	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.64	—	—	5.00E-01	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.94	—	—	1.00E+00	ug/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.73	—	—	1.00E+00	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.18	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.85	—	—	1.00E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.6	—	—	1.00E+00	ug/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.99	—	—	1.00E+00	ug/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.84	—	—	1.00E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.49	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.64	—	—	1.00E+00	ug/L	J	J	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.56	—	—	1.00E+00	ug/L	J	J	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.1	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.3	—	—	5.30E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
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	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.1	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.2	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.1	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.8	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.76	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.85	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.94	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10396	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.93	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.75	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.56	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.06	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.12	—	—	1.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.9	—	—	3.30E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.51	—	—	3.30E+00	ug/L	J	J	09-2939	CASA-09-10396	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.76	—	—	2.00E+00	ug/L	J	J	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20	—	—	3.30E+00	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.12	—	—	3.30E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.24	—	—	3.30E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.7	—	—	3.30E+00	ug/L	—	—	09-2939	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	2.00E+00	ug/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00736	1.13E-03	2.10E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00131	1.13E-03	3.30E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00195	6.00E-04	3.10E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00215	1.00E-03	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.94	5.00E-01	5.10E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.03	5.33E-01	5.00E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.2	5.33E-01	4.30E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.776	4.67E-01	4.90E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.46	5.00E-01	4.20E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.59	5.67E-01	5.10E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.53	4.67E-01	3.90E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.234	5.33E-01	5.00E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.0419	1.53E-01	2.00E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.31	1.30E-01	2.30E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.54	3.33E-01	2.50E+00	—	pCi/L	—	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0498	1.87E-01	2.50E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.128	1.33E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.117	1.10E-01	1.50E+00	—	pCi/L	U	U	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.56	2.43E-01	2.30E+00	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.12	2.50E-01	2.50E+00	—	pCi/L	—	—	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.721	2.70E-01	2.70E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.45	2.87E-01	2.80E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.294	1.80E-01	2.00E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	06/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.48	2.17E-01	1.70E+00	—	pCi/L	—	—	09-2433	CAMO-09-10501	GELC
R-43	8651	903.9	06/19/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	67.7	1.10E+01	7.10E+01	—	pCi/L	U	U	09-2433	CAMO-09-10502	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	70	5.00E+00	5.80E+01	—	pCi/L	—	—	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	83.1	1.70E+01	9.20E+01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	153	6.33E+01	1.20E+02	—	pCi/L	—	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	92.9	2.67E+01	1.20E+02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.47	1.00E+00	9.90E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.78	5.33E+00	5.20E+01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.99	4.00E+00	3.50E+01	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	27.6	4.00E+00	3.40E+01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00477	1.13E-03	3.80E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0174	2.33E-03	3.30E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	2.77E-03	3.60E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0152	2.03E-03	3.00E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00477	1.93E-03	3.50E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00194	1.43E-03	2.20E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	2.33E-03	3.60E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00338	1.77E-03	3.30E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-55	6.33E+00	5.20E+01	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-11.8	8.00E+00	8.30E+01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.17	5.67E+00	6.20E+01	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3.72	6.33E+00	6.80E+01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.659	4.67E-01	4.80E+00	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.101	6.00E-01	6.10E+00	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.06	5.00E-01	5.40E+00	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.234	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00616	4.33E-02	4.80E-01	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.119	4.33E-02	4.50E-01	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.197	4.00E-02	4.90E-01	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0185	2.73E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0921	5.67E-03	4.20E-02	—	pCi/L	—	—	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.106	6.00E-03	7.60E-02	—	pCi/L	—	—	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.0861	5.33E-03	7.30E-02	—	pCi/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0653	8.33E-03	1.30E-01	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00316	1.07E-03	3.80E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00334	1.13E-03	4.30E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.67E-03	3.70E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0131	2.93E-03	6.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
R-43	8651	903.9	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0332	3.33E-03	3.80E-02	—	pCi/L	U	U	10-3107	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0433	4.00E-03	4.90E-02	—	pCi/L	U	U	10-1598	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0263	3.67E-03	4.50E-02	—	pCi/L	U	U	10-636	CASA-10-3858	GELC
R-43	8651	903.9	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0248	6.00E-03	6.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10397	GELC
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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.88	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	8.86	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.94	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.7	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.9	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	50.1	—	—	7.30E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.1	—	—	5.00E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.38	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.62	—	—	6.60E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.67	—	—	6.60E-02	mg/L	—	J	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.81	—	—	6.60E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.299	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.358	—	—	3.30E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.354	—	—	3.30E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.516	—	—	3.30E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.5	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.1	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.7	—	—	3.50E-01	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.45	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.87	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.56	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.16	—	—	8.50E-02	mg/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.9	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.91	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	J	10-636	CASA-10-3860	GELC
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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.469	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.731	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10401	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	06/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.756	—	—	5.00E-02	ug/L	—	—	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.59	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.6	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.8	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.82	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.34	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.78	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.49	—	—	1.00E-01	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.475	—	—	3.30E-01	mg/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-1596	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.458	—	—	3.30E-01	mg/L	J	J	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.641	—	—	3.30E-01	mg/L	J	J	09-2938	CASA-09-10402	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.64	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.57	—	—	1.00E-02	SU	H	J-	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.63	—	—	1.00E-02	SU	H	J-	10-636	CASA-10-3860	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.637	—	—	5.00E-01	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.595	—	—	5.00E-01	ug/L	J	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.619	—	—	5.00E-01	ug/L	—	U	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.53	—	—	5.00E-01	ug/L	J	U	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.614	—	—	5.00E-01	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.602	—	—	5.00E-01	ug/L	J	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.572	—	—	5.00E-01	ug/L	—	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.543	—	—	5.00E-01	ug/L	J	U	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.6	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	11.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	10.9	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	11.2	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	30.6	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.6	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	29.7	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	ug/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.53	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.39	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9839	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-636	CASA-10-3897	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.79	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2939	CASA-09-10404	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.42	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.13	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.92	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.81	—	—	2.50E+00	ug/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	69.6	—	—	3.00E+01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	226	—	—	3.00E+01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.8	—	—	3.00E+01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.5	—	—	3.00E+01	ug/L	J	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.25	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.35	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.52	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.17	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.35	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.39	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.59	—	—	1.00E-01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.54	—	—	1.00E-01	ug/L	—	J	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.18	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.71	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.938	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.07	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.98	—	—	5.00E-01	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.3	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.4	—	—	5.30E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.7	—	—	5.30E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.7	—	—	5.30E-02	mg/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	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	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.2	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.8	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3860	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.6	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.6	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.6	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.434	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	5.00E-02	ug/L	—	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.05	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.472	—	—	5.00E-02	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.33	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.31	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.99	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.26	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.79	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.28	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.91	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.18	—	—	1.00E+00	ug/L	—	—	09-2939	CASA-09-10402	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-636	CASA-10-3860	GELC
R-43	8661	969.1	08/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2939	CASA-09-10401	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.92	—	—	3.30E+00	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2939	CASA-09-10402	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0029	7.00E-04	2.20E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00867	2.17E-03	4.60E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0155	6.67E-03	5.00E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00202	6.00E-04	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.767	4.67E-01	4.50E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0096	5.33E-01	5.20E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.881	4.67E-01	4.00E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.436	4.33E-01	4.20E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.3	4.33E-01	4.60E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.431	5.33E-01	5.40E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.29	4.67E-01	4.20E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.588	5.33E-01	4.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.534	1.23E-01	1.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10509	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	3.05	3.67E-01	2.30E+00	—	pCi/L	—	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.05	2.50E-01	2.50E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.672	2.60E-01	2.90E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.584	1.60E-01	1.70E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.92	2.03E-01	2.90E+00	—	pCi/L	U	UJ	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	EPA:900	Gross beta	<	1.66	2.93E-01	2.80E+00	—	pCi/L	U	U	09-2408	CAMO-09-10509	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	1.07	2.53E-01	2.50E+00	—	pCi/L	—	—	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.49	2.87E-01	2.60E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.38	2.57E-01	2.40E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.27	2.40E-01	2.30E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	87.3	5.00E+00	5.00E+01	—	pCi/L	—	—	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	66.6	1.63E+01	7.00E+01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	94.4	1.03E+01	8.00E+01	—	pCi/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	42.3	5.00E+00	4.50E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.64	9.00E-01	8.60E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.53	4.33E+00	4.10E+01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	23.2	3.33E+00	3.40E+01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	16.2	4.00E+00	4.10E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00194	6.33E-04	3.10E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00214	1.00E-03	3.60E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00463	1.53E-03	3.80E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00178	1.57E-03	3.10E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00776	1.60E-03	2.90E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00642	1.60E-03	2.50E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00694	1.53E-03	3.80E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-2.12E-10	8.33E-04	3.50E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	36.2	5.33E+00	6.00E+01	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	25	8.33E+00	8.80E+01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.5	5.67E+00	3.20E+01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-39.5	5.33E+00	4.60E+01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.957	4.00E-01	4.10E+00	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.921	5.00E-01	5.10E+00	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.936	4.00E-01	3.70E+00	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.389	4.67E-01	4.60E+00	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.889	6.33E-02	4.30E-01	—	pCi/L	—	—	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0611	4.00E-02	4.40E-01	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0985	4.33E-02	4.70E-01	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0593	2.73E-02	2.80E-01	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0498	4.00E-02	4.60E-01	—	pCi/L	U	U	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.08	3.27E-02	5.00E-02	—	pCi/L	—	—	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.17	3.33E-02	7.20E-02	—	pCi/L	—	—	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.906	2.57E-02	7.80E-02	—	pCi/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.375	1.53E-02	1.20E-01	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	06/18/09	WG	F	CS	—	Rad	HASL-300	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0191	3.33E-03	4.60E-02	—	pCi/L	U	U	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0319	3.33E-03	4.10E-02	—	pCi/L	U	U	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0134	2.97E-03	3.90E-02	—	pCi/L	U	U	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0161	2.70E-03	6.00E-02	—	pCi/L	U	U	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	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	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	05/10/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.423	1.60E-02	4.60E-02	—	pCi/L	—	—	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.426	1.50E-02	4.70E-02	—	pCi/L	—	—	10-1598	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.32	1.13E-02	4.80E-02	—	pCi/L	—	—	10-636	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	8.00E-03	6.00E-02	—	pCi/L	—	—	09-2940	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.071	4.33E-03	3.00E-02	—	pCi/L	—	—	09-2408	CAMO-09-10508	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	—	0.35	—	—	2.50E-01	ug/L	J	J	10-3107	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	<	1	—	—	2.50E-01	ug/L	U	U	10-1596	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	<	1	—	—	2.50E-01	ug/L	U	U	10-635	CASA-10-3861	GELC
R-43	8661	969.1	08/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	<	1	—	—	2.50E-01	ug/L	U	U	09-2938	CASA-09-10402	GELC
R-43	8661	969.1	06/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Trichloroethene	<	1	—	—	2.50E-01	ug/L	U	U	09-2409	CAMO-09-10508	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	142	—	—	7.30E-01	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	166	—	—	7.30E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	123	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	153	—	—	7.30E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	175	—	—	7.30E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.214	—	—	1.60E-02	mg/L	—	J	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.051	—	—	1.60E-02	mg/L	—	U	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.105	—	—	1.60E-02	mg/L	—	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.113	—	—	1.60E-02	mg/L	—	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	3.00E-02	mg/L	U	UJ	09-969	CASA-09-2858	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.399	—	—	6.60E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.229	—	—	6.60E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.404	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.551	—	—	6.60E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.58	—	—	6.60E-02	mg/L	—	J+	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	50.1	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.9	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.7	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26	—	—	3.00E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.7	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.8	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.6	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	25.5	—	—	3.00E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	65.9	—	—	6.60E-01	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	263	—	—	3.30E+00	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	66.9	—	—	6.60E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	63.9	—	—	6.60E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	97.6	—	—	6.60E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0043	—	—	1.70E-03	mg/L	J	J	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-322	CASA-10-3620	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	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	3.30E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.41	—	—	3.30E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.59	—	—	3.30E-02	mg/L	—	—	10-322	CASA-10-3621	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	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	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61	—	—	3.50E-01	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	187	—	—	3.50E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.8	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	94.2	—	—	3.50E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	95.8	—	—	3.50E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	3.50E-01	mg/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	181	—	—	3.50E-01	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.7	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	94.1	—	—	3.50E-01	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	93.7	—	—	3.50E-01	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.64	—	—	8.50E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.9	—	—	8.50E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.1	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.69	—	—	8.50E-02	mg/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	8.50E-02	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.09	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.33	—	—	8.50E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.3	—	—	8.50E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	25.5	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	30.1	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.3	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.8	—	—	5.00E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	25.8	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.9	—	—	5.00E-02	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.2	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.1	—	—	5.00E-02	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.4	—	—	5.00E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	82	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	197	—	—	1.00E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	75.9	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	76.2	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	98.1	—	—	4.50E-02	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	79.5	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	183	—	—	1.00E-01	mg/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	74.5	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.4	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	96	—	—	4.50E-02	mg/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	587	—	—	1.00E+00	uS/cm	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	1320	—	—	1.00E+00	uS/cm	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	551	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	539	—	—	1.00E+00	uS/cm	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	702	—	—	1.00E+00	uS/cm	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.69	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	33	—	—	1.00E-01	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23.2	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.09	—	—	1.00E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	16	—	—	1.00E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	419	—	—	2.40E+00	mg/L	—	—	10-3172	CASA-10-16720	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	798	—	—	2.40E+00	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	396	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.40E+00	mg/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	490	—	—	2.40E+00	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.598	—	—	3.30E-02	mg/L	—	J-	10-3171	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.162	—	—	3.30E-02	mg/L	—	J+	10-321	CASA-10-3620	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	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.57	—	—	3.30E-01	mg/L	—	—	10-3171	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.46	—	—	3.30E-01	mg/L	—	—	10-321	CASA-10-3620	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	05/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.95	—	—	7.50E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.43	—	—	1.50E-02	mg/L	—	J-	10-322	CASA-10-3621	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	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.17	—	—	1.00E-02	SU	H	J-	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.3	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.06	—	—	1.00E-02	SU	H	J-	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.32	—	—	1.00E-02	SU	H	J-	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	932	—	—	6.80E+01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	80.2	—	—	6.80E+01	ug/L	J	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.67	—	—	1.50E+00	ug/L	J	J	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.97	—	—	1.50E+00	ug/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.37	—	—	1.50E+00	ug/L	J	J	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.27	—	—	1.50E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.02	—	—	1.50E+00	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.5	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	138	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.3	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.3	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.4	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	80.5	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	136	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.3	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	87.2	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79.7	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	58.7	—	—	1.50E+01	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	50.6	—	—	1.50E+01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.1	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	49.6	—	—	1.50E+01	ug/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	75.2	—	—	1.00E+01	ug/L	—	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	60.9	—	—	1.50E+01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50.4	—	—	1.50E+01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	50	—	—	1.50E+01	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	75.2	—	—	1.00E+01	ug/L	—	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.8	—	—	2.50E+00	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.92	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9835	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.06	—	—	2.50E+00	ug/L	J	J	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	2.69	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3893	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.78	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.5	—	—	2.50E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	1.50E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	81.7	—	—	2.50E+00	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.49	—	—	2.50E+00	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.76	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	19.8	—	—	2.50E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.7	—	—	1.50E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.1	—	—	3.00E+00	ug/L	J	J	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	603	—	—	3.00E+01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	406	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	608	—	—	3.00E+01	ug/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	558	—	—	2.50E+01	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	1380	—	—	3.00E+01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	622	—	—	3.00E+01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	445	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	635	—	—	3.00E+01	ug/L	—	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	602	—	—	2.50E+01	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.35	—	—	5.00E-01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	410	—	—	2.00E+00	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	870	—	—	2.00E+00	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	559	—	—	2.00E+00	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	677	—	—	2.00E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	717	—	—	2.00E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	456	—	—	2.00E+00	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	862	—	—	2.00E+00	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	570	—	—	2.00E+00	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	684	—	—	2.00E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	681	—	—	2.00E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.25	—	—	1.00E-01	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.2	—	—	1.00E-01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.66	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.51	—	—	1.00E-01	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.88	—	—	1.00E-01	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	8.17	—	—	1.00E-01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.47	—	—	1.00E-01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.64	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.83	—	—	1.00E-01	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.98	—	—	1.00E-01	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.74	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.06	—	—	5.00E-01	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.44	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.35	—	—	5.00E-01	ug/L	J	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.95	—	—	5.00E-01	ug/L	J	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.57	—	—	5.00E-01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.38	—	—	5.00E-01	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.991	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.02	—	—	5.00E-01	ug/L	J	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.873	—	—	5.00E-01	ug/L	J	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	5.30E-02	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	107	—	—	5.30E-02	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	102	—	—	5.30E-02	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	121	—	—	2.70E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	1.60E-01	mg/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	—	1.65	—	—	2.00E-01	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.9	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	121	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.7	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	212	—	—	1.00E+00	ug/L	—	—	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	116	—	—	1.00E+00	ug/L	—	—	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	119	—	—	1.00E+00	ug/L	—	—	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.077	—	—	5.00E-02	ug/L	J	J	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	UN	UJ	10-322	CASA-10-3621	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.285	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.101	—	—	5.00E-02	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	UN	UJ	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.63	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.67	—	—	1.00E+00	ug/L	J	J	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.01	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.75	—	—	1.00E+00	ug/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.67	—	—	1.00E+00	ug/L	J	J	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.22	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.59	—	—	1.00E+00	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.05	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.21	—	—	1.00E+00	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.89	—	—	1.00E+00	ug/L	J	J	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.95	—	—	3.30E+00	ug/L	J	J	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.91	—	—	3.30E+00	ug/L	J	J	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.52	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.75	—	—	2.00E+00	ug/L	J	U	09-1654	CASA-09-8412	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	67.2	—	—	3.30E+00	ug/L	—	—	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.52	—	—	3.30E+00	ug/L	J	J	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.19	—	—	3.30E+00	ug/L	J	J	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.65	—	—	2.00E+00	ug/L	J	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	—	0.073	—	—	4.00E-02	ug/L	J	J	10-3171	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.119	—	—	4.00E-02	ug/L	U	U	10-321	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.108	—	—	3.60E-02	ug/L	U	U	09-2760	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	04/29/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.111	—	—	3.70E-02	ug/L	U	U	09-1654	CASA-09-8410	GELC
SCA-1-DP	8751	2.16	02/20/09	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1260	<	0.112	—	—	3.70E-02	ug/L	U	U	09-969	CASA-09-2857	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	123	—	—	7.30E-01	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	118	—	—	7.30E-01	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.321	—	—	6.60E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.338	—	—	6.60E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	5.00E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.3	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	5.00E-02	mg/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.4	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3623	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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.2	—	—	6.60E-01	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	83.6	—	—	6.60E-01	mg/L	—	J+	10-329	CASA-10-3624	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-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	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.416	—	—	3.30E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.708	—	—	3.30E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	68.7	—	—	3.50E-01	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.4	—	—	3.50E-01	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.3	—	—	3.50E-01	mg/L	—	—	10-329	CASA-10-3623	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.22	—	—	8.50E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.35	—	—	8.50E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.33	—	—	8.50E-02	mg/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.52	—	—	8.50E-02	mg/L	—	—	10-329	CASA-10-3623	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	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.285	—	—	5.00E-02	mg/L	—	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.53	—	—	5.00E-02	mg/L	—	J	10-329	CASA-10-3624	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
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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.355	—	—	5.00E-02	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.68	—	—	2.50E-01	ug/L	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.128	—	—	5.00E-02	ug/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	ug/L	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3623	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	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	89.1	—	—	1.00E-01	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.9	—	—	1.00E-01	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.1	—	—	1.00E-01	mg/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	78.4	—	—	1.00E-01	mg/L	—	—	10-329	CASA-10-3623	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	632	—	—	1.00E+00	uS/cm	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	580	—	—	1.00E+00	uS/cm	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	492	—	—	1.00E+00	uS/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	uS/cm	—	—	09-787	CASA-09-2750	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.3	—	—	1.00E-01	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.8	—	—	1.00E-01	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	435	—	—	2.40E+00	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	395	—	—	2.40E+00	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.4	—	—	3.30E-01	mg/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.68	—	—	3.30E-01	mg/L	—	—	10-328	CASA-10-3623	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	05/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.04	—	—	7.50E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.49	—	—	1.50E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.24	—	—	1.00E-02	SU	H	J-	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-329	CASA-10-3624	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	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	142	—	—	6.80E+01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	143	—	—	6.80E+01	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	207	—	—	6.80E+01	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	184	—	—	6.80E+01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.5	—	—	5.00E-01	ug/L	J	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.544	—	—	5.00E-01	ug/L	J	U	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.761	—	—	5.00E-01	ug/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	ug/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	ug/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.768	—	—	5.00E-01	ug/L	J	U	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2783	CASA-09-10338	GELC
SCA-2	7991	10.3	02/02/09	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	2	—	—	5.00E-01	ug/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	ug/L	J	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.88	—	—	1.50E+00	ug/L	J	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.83	—	—	1.50E+00	ug/L	J	J	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.67	—	—	1.50E+00	ug/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	ug/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	ug/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.11	—	—	1.50E+00	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.26	—	—	1.50E+00	ug/L	J	J	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.62	—	—	1.50E+00	ug/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	ug/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	ug/L	J	J	08-1642	CASA-08-14345	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.5	—	—	1.00E+00	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.8	—	—	1.00E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.1	—	—	1.00E+00	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.4	—	—	1.00E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	59.6	—	—	1.50E+01	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.6	—	—	1.50E+01	ug/L	J	J	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	48	—	—	1.50E+01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	60.7	—	—	1.50E+01	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.7	—	—	1.50E+01	ug/L	J	J	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.1	—	—	1.50E+01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.69	—	—	2.50E+00	ug/L	J	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.38	—	—	2.50E+00	ug/L	J	J	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.48	—	—	2.50E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	2.50E+00	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.17	—	—	2.50E+00	ug/L	J	J	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.97	—	—	2.50E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	3.19	—	—	3.00E+00	ug/L	J	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2783	CASA-09-10337	GELC
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/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	ug/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.05	—	—	3.00E+00	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.34	—	—	3.00E+00	ug/L	J	J	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.34	—	—	3.00E+00	ug/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	ug/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	ug/L	J	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	119	—	—	3.00E+01	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	85.2	—	—	3.00E+01	ug/L	J	J	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	143	—	—	3.00E+01	ug/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	ug/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	ug/L	—	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	143	—	—	3.00E+01	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	210	—	—	3.00E+01	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	161	—	—	3.00E+01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.02	—	—	2.00E+00	ug/L	J	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.24	—	—	2.00E+00	ug/L	J	J	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.55	—	—	2.00E+00	ug/L	JN*	J	09-2783	CASA-09-10337	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	02/02/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/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	ug/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.44	—	—	2.00E+00	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.41	—	—	2.00E+00	ug/L	J	J	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.9	—	—	2.00E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	14.7	—	—	1.00E-01	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.19	—	—	1.00E-01	ug/L	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.51	—	—	1.00E-01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	14.2	—	—	1.00E-01	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.21	—	—	1.00E-01	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	9.17	—	—	1.00E-01	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.24	—	—	5.00E-01	ug/L	J	J	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.36	—	—	5.00E-01	ug/L	J	J	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/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	ug/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	ug/L	J	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.63	—	—	5.00E-01	ug/L	J	J	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.92	—	—	5.00E-01	ug/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	ug/L	J	J	09-787	CASA-09-2749	GELC
SCA-2	7991	10.3	08/11/08	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.1	—	—	5.00E-01	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	101	—	—	5.30E-02	mg/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	85.4	—	—	5.30E-02	mg/L	—	—	10-329	CASA-10-3624	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	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	92.9	—	—	1.00E+00	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	96.8	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	95	—	—	1.00E+00	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	104	—	—	1.00E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.504	—	—	5.00E-02	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.917	—	—	5.00E-02	ug/L	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.478	—	—	5.00E-02	ug/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	ug/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	ug/L	—	U	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.507	—	—	5.00E-02	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.902	—	—	5.00E-02	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.512	—	—	5.00E-02	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.17	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3624	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	ug/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	ug/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	ug/L	—	J	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.59	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/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	ug/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	ug/L	—	J	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16.5	—	—	3.30E+00	ug/L	—	—	10-3137	CASA-10-16724	GELC
SCA-2	7991	10.3	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	30.7	—	—	3.30E+00	ug/L	—	—	10-329	CASA-10-3624	GELC
SCA-2	7991	10.3	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.73	—	—	3.30E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14343	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.5	—	—	3.30E+00	ug/L	—	—	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	43.4	—	—	3.30E+00	ug/L	—	—	10-329	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.19	—	—	3.30E+00	ug/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	ug/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	ug/L	—	—	08-1642	CASA-08-14345	GELC
SCA-2	7991	10.3	05/12/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.28	—	—	2.50E-01	ug/L	J	J	10-3137	CASA-10-16725	GELC
SCA-2	7991	10.3	11/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	10-328	CASA-10-3623	GELC
SCA-2	7991	10.3	08/04/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-2782	CASA-09-10338	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	92.5	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.5	—	—	7.30E-01	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.16	—	—	1.60E-02	mg/L	—	J	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.042	—	—	1.60E-02	mg/L	J	U	09-2799	CASA-09-10345	GELC
SCA-4	8011	37	04/28/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.039	—	—	1.60E-02	mg/L	J	U	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.323	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.252	—	—	6.60E-02	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.7	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3627	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	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	132	—	—	1.30E+00	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.1	—	—	6.60E-01	mg/L	—	J+	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.488	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.01	—	—	3.30E-02	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	93.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	36.4	—	—	3.50E-01	mg/L	—	—	10-329	CASA-10-3629	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	91.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	35.9	—	—	3.50E-01	mg/L	—	—	10-329	CASA-10-3627	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.22	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.56	—	—	8.50E-02	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.06	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.51	—	—	8.50E-02	mg/L	—	—	10-329	CASA-10-3627	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	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.29	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.56	—	—	5.00E-02	mg/L	—	J	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.74	—	—	2.00E-01	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.231	—	—	5.00E-02	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.264	—	—	5.00E-02	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.66	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.95	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.61	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.97	—	—	5.00E-02	mg/L	—	—	10-329	CASA-10-3627	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	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	102	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	68.7	—	—	1.00E-01	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	99.6	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	66.7	—	—	1.00E-01	mg/L	—	—	10-329	CASA-10-3627	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	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	767	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	427	—	—	1.00E+00	uS/cm	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	423	—	—	1.00E+00	uS/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	uS/cm	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	13.1	—	—	1.00E-01	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	449	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.68	—	—	3.30E-01	mg/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.05	—	—	3.30E-01	mg/L	—	—	10-328	CASA-10-3627	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	05/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.82	—	—	1.50E-02	mg/L	—	—	10-3108	CASA-10-16729	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	7.56	—	—	1.50E-01	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	6.18	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.24	—	—	1.00E-02	SU	H	J-	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.22	—	—	1.50E+00	ug/L	J	J	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	8.68	—	—	1.50E+00	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	7.95	—	—	1.50E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.85	—	—	1.50E+00	ug/L	J	J	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	8.2	—	—	1.50E+00	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	8.01	—	—	1.50E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	137	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	56.8	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.4	—	—	1.00E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	135	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.8	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.1	—	—	1.00E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	58.1	—	—	1.50E+01	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	59	—	—	1.50E+01	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	57.8	—	—	1.50E+01	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	57.5	—	—	1.50E+01	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	58.8	—	—	1.50E+01	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	57.4	—	—	1.50E+01	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.2	—	—	2.50E+00	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.7	—	—	2.50E+00	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11.7	—	—	2.50E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.6	—	—	2.50E+00	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	59.8	—	—	2.50E+00	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.6	—	—	2.50E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.1	—	—	3.00E+01	ug/L	J	J	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	138	—	—	3.00E+01	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	146	—	—	3.00E+01	ug/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	ug/L	J	J	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	54.6	—	—	3.00E+01	ug/L	J	J	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	603	—	—	3.00E+01	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	215	—	—	3.00E+01	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8	—	—	2.00E+00	ug/L	J	J	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.68	—	—	2.00E+00	ug/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	ug/L	J	J	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.84	—	—	2.00E+00	ug/L	J	J	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.58	—	—	2.00E+00	ug/L	J	J	10-329	CASA-10-3627	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.05	—	—	2.00E+00	ug/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	ug/L	J	J	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	18.7	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	30.6	—	—	1.00E-01	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	32.9	—	—	1.00E-01	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	18.9	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	30.2	—	—	1.00E-01	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	31.6	—	—	1.00E-01	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.25	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.36	—	—	5.00E-01	ug/L	J	J	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.84	—	—	5.00E-01	ug/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	ug/L	J	J	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.79	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.29	—	—	5.00E-01	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.91	—	—	5.00E-01	ug/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	ug/L	J	J	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.1	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	5.30E-02	mg/L	—	—	10-329	CASA-10-3629	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	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.8	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.1	—	—	1.00E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.5	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.2	—	—	1.00E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.3	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.34	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	9.76	—	—	1.00E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.1	—	—	1.00E+00	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.71	—	—	1.00E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.59	—	—	3.30E+00	ug/L	J	J	10-3108	CASA-10-16729	GELC
SCA-4	8011	37	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.1	—	—	3.30E+00	ug/L	—	—	10-329	CASA-10-3629	GELC
SCA-4	8011	37	08/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	20.1	—	—	3.30E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8263	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.53	—	—	3.30E+00	ug/L	J	J	10-3108	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	48.1	—	—	3.30E+00	ug/L	—	—	10-329	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	18.5	—	—	3.30E+00	ug/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	ug/L	—	—	09-1636	CASA-09-8262	GELC
SCA-4	8011	37	05/10/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.4	—	—	2.50E-01	ug/L	J	J	10-3107	CASA-10-16728	GELC
SCA-4	8011	37	11/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	10-328	CASA-10-3627	GELC
SCA-4	8011	37	08/05/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	<	1	—	—	2.50E-01	ug/L	U	U	09-2798	CASA-09-10344	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	98.5	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.8	—	—	7.30E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	05/06/09	WG	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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.02	—	—	6.60E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.04	—	—	6.60E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.11	—	—	6.60E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.06	—	—	6.60E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.2	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.8	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.8	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.4	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.3	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.6	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	72	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.1	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.6	—	—	6.60E-01	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.2	—	—	6.60E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	86.9	—	—	6.60E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	82	—	—	6.60E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.183	—	—	3.30E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.158	—	—	3.30E-02	mg/L	—	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.32	—	—	3.30E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	215	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	211	—	—	3.50E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	3.50E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	218	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	248	—	—	3.50E-01	mg/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.88	—	—	8.50E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.6	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	8.50E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.14	—	—	5.00E-02	mg/L	—	J	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.2	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.247	—	—	5.00E-02	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.868	—	—	5.00E-02	ug/L	—	J	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.934	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.932	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.969	—	—	5.00E-02	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.05	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.6	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.9	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	54.2	—	—	1.00E-01	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.6	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.9	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.6	—	—	1.00E-01	mg/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	731	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	691	—	—	1.00E+00	uS/cm	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	660	—	—	1.00E+00	uS/cm	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	703	—	—	1.00E+00	uS/cm	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	700	—	—	1.00E+00	uS/cm	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	92.9	—	—	1.00E+00	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	96.6	—	—	1.00E+00	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	102	—	—	1.00E+00	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	100	—	—	1.00E+00	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	103	—	—	1.00E+00	mg/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	488	—	—	2.40E+00	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	494	—	—	2.40E+00	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	465	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	485	—	—	2.40E+00	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.41	—	—	3.30E-01	mg/L	—	—	10-3090	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	10-1678	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.84	—	—	3.30E-01	mg/L	—	—	10-594	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.63	—	—	3.30E-01	mg/L	—	—	09-2756	CASA-09-10350	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.842	—	—	1.50E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.858	—	—	1.50E-02	mg/L	—	J	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.404	—	—	1.50E-02	mg/L	—	J	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.01	—	—	1.50E-02	mg/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J-	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J-	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.48	—	—	1.00E-02	SU	H	J-	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	1.00E-02	SU	H	J-	09-1772	CASA-09-8267	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.35	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	8.56	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.04	—	—	1.50E+00	ug/L	J	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.8	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.68	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.58	—	—	1.50E+00	ug/L	J	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.4	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.2	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.4	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.9	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	86.2	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	86.5	—	—	1.50E+01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	81.4	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	79.8	—	—	1.50E+01	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	93.1	—	—	1.00E+01	ug/L	—	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.1	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	85	—	—	1.50E+01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.6	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.5	—	—	1.50E+01	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	97	—	—	1.00E+01	ug/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.4	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.3	—	—	2.50E+00	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	11	—	—	7.50E+00	ug/L	J	J	09-1773	CASA-09-9291	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	1.50E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.6	—	—	1.50E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	21.9	—	—	2.50E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.9	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.8	—	—	2.50E+00	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.4	—	—	1.50E+00	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.37	—	—	3.00E+00	ug/L	J	J	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	8.13	—	—	3.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.52	—	—	3.00E+00	ug/L	J	J	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	17.2	—	—	3.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.23	—	—	3.00E+00	ug/L	J	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	92.5	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16756	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	87.9	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	93.9	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	91.1	—	—	1.00E-01	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	77.7	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	92.3	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	91.7	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	93.2	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	94.2	—	—	1.00E-01	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	76.8	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.43	—	—	5.00E-01	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.38	—	—	5.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.62	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.41	—	—	5.00E-01	ug/L	—	J	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.86	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.1	—	—	5.00E-01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.69	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.36	—	—	5.00E-01	ug/L	—	J	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.98	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	2.08	—	—	1.00E+00	ug/L	J	J	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.3	—	—	1.00E+00	ug/L	J	J	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.8	—	—	5.30E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.6	—	—	5.30E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.8	—	—	5.30E-02	mg/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	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	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	303	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	307	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	299	—	—	1.00E+00	ug/L	—	—	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	332	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.61	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.38	—	—	5.00E-02	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.94	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.16	—	—	5.00E-02	ug/L	—	—	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	3.05	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.64	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.24	—	—	5.00E-02	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.96	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.33	—	—	5.00E-02	ug/L	—	—	09-2757	CASA-09-10350	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	3.05	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.78	—	—	3.30E+00	ug/L	J	J	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.51	—	—	3.30E+00	ug/L	J	J	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.4	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	08/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2757	CASA-09-10348	GELC
SCI-1	8211	358.4	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	2.57	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8267	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.1	—	—	3.30E+00	ug/L	J	J	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.92	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2757	CASA-09-10350	GELC
SCI-1	8211	358.4	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.41	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8266	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.5	—	—	2.50E-01	ug/L	J	J	10-3090	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.53	—	—	2.50E-01	ug/L	J	J	10-1678	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.532	—	—	2.50E-01	ug/L	J	J	10-594	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.491	—	—	2.50E-01	ug/L	J	J	09-2756	CASA-09-10350	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	—	3.24	—	—	3.00E+00	ug/L	J	J	10-3090	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-1678	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-594	CASA-10-3665	GELC
SCI-1	8211	358.4	08/03/09	WG	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-2756	CASA-09-10350	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.9	—	—	7.30E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.4	—	—	7.30E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.5	—	—	7.30E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.475	—	—	6.60E-02	mg/L	—	J+	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.459	—	—	6.60E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.468	—	—	6.60E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.424	—	—	6.60E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.194	—	—	6.60E-02	mg/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.7	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.7	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.2	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.7	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.9	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.5	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.4	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	65.8	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54	—	—	6.60E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	55.1	—	—	6.60E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	56	—	—	3.30E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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:335.3	Cyanide (Total)	—	0.00798	—	—	1.50E-03	mg/L	—	—	09-907	CASA-09-2991	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00475	—	—	1.70E-03	mg/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0057	—	—	1.70E-03	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.304	—	—	8.30E-03	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	EPA:335.3	Cyanide (Total)	—	0.00802	—	—	1.70E-03	mg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.318	—	—	3.30E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.203	—	—	3.30E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.191	—	—	3.30E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.221	—	—	3.30E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	230	—	—	3.50E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	3.50E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	227	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	213	—	—	3.50E-01	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	229	—	—	3.50E-01	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	229	—	—	3.50E-01	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	3.50E-01	mg/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14	—	—	8.50E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.3	—	—	8.50E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	<	15.3	—	—	8.50E-02	mg/L	—	R	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.2	—	—	8.50E-02	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	<	15.5	—	—	8.50E-02	mg/L	—	R	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.64	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.43	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.43	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.4	—	—	1.00E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.36	—	—	1.00E-01	mg/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.979	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.936	—	—	5.00E-02	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.991	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.44	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.51	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.72	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.61	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.49	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.71	—	—	5.00E-02	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.1	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.8	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.2	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	1.00E+00	mg/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	587	—	—	1.00E+00	uS/cm	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	560	—	—	1.00E+00	uS/cm	—	—	10-1696	CASA-10-9490	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	577	—	—	1.00E+00	uS/cm	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	547	—	—	1.00E+00	uS/cm	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	551	—	—	1.00E+00	uS/cm	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	83.3	—	—	1.00E+00	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	86.4	—	—	1.00E+00	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85	—	—	1.00E+00	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85	—	—	5.00E-01	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	415	—	—	2.40E+00	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	451	—	—	2.40E+00	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.151	—	—	3.30E-02	mg/L	—	J+	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.038	—	—	3.30E-02	mg/L	J	J	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.079	—	—	3.30E-02	mg/L	J	J-	09-1771	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.797	—	—	3.30E-01	mg/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.915	—	—	3.30E-01	mg/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	09-2773	CASA-09-10367	GELC
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	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.64	—	—	1.00E-02	SU	H	J-	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.5	—	—	1.00E-02	SU	H	J-	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	131	—	—	6.80E+01	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	102	—	—	6.80E+01	ug/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	93.2	—	—	6.80E+01	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.53	—	—	1.50E+00	ug/L	J	J	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	4.62	—	—	1.50E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.41	—	—	1.50E+00	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.8	—	—	1.50E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.2	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.1	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.7	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.1	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.2	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16763	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.6	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.5	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	59.7	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	526	—	—	2.50E+00	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	615	—	—	2.50E+01	ug/L	N	—	10-1948	CASA-10-12689	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	553	—	—	2.50E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	630	—	—	2.50E+01	ug/L	—	—	10-807	CASA-10-3894	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	637	—	—	2.50E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	502	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10406	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	510	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	586	—	—	1.50E+01	ug/L	—	—	09-1773	CASA-09-9297	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	658	—	—	1.50E+01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	658	—	—	1.50E+01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	529	—	—	2.50E+00	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	537	—	—	2.50E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	627	—	—	2.50E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	538	—	—	2.50E+00	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	644	—	—	1.50E+01	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	UJ	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	2.50E+01	ug/L	U	U	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	158	—	—	3.00E+01	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37	—	—	3.00E+01	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	48.4	—	—	3.00E+01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	UJ	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	37.1	—	—	2.50E+01	ug/L	J	U	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.39	—	—	2.00E+00	ug/L	J	J	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.29	—	—	2.00E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.07	—	—	2.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	4.12	—	—	2.00E+00	ug/L	J	R	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	5.79	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.01	—	—	2.00E+00	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.64	—	—	2.00E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.4	—	—	2.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	3.98	—	—	2.00E+00	ug/L	J	R	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.63	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.855	—	—	1.00E-01	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.972	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.14	—	—	1.00E-01	ug/L	—	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.993	—	—	1.00E-01	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.984	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.18	—	—	1.00E-01	ug/L	—	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.32	—	—	1.00E-01	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	15.8	—	—	5.00E-01	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.9	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8315	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.1	—	—	5.00E-01	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	5.00E-01	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.3	—	—	5.00E-01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	15.5	—	—	5.00E-01	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58	—	—	5.30E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.5	—	—	5.30E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	5.30E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.1	—	—	5.30E-02	mg/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	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	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	305	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	309	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	333	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	293	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	308	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	320	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	321	—	—	1.00E+00	ug/L	—	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	296	—	—	1.00E+00	ug/L	—	—	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.75	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.68	—	—	5.00E-02	ug/L	—	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	ug/L	J	J	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.91	—	—	1.00E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.22	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.58	—	—	1.00E+00	ug/L	J	J	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.05	—	—	1.00E+00	ug/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.61	—	—	1.00E+00	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.29	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.57	—	—	1.00E+00	ug/L	J	J	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	ug/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.44	—	—	3.30E+00	ug/L	J	J	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.56	—	—	3.30E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.06	—	—	3.30E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	08/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2774	CASA-09-10368	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.32	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.33	—	—	3.30E+00	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.3	—	—	3.30E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.29	—	—	2.00E+00	ug/L	J	J	09-1772	CASA-09-8313	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00744	1.33E-03	2.10E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00092	3.67E-03	3.10E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000905	6.67E-04	3.70E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00126	1.20E-03	2.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00161	2.37E-03	4.00E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.507	2.90E-01	3.00E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.84	5.00E-01	4.40E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.25	5.33E-01	4.60E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.04	5.67E-01	5.00E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.184	3.67E-01	3.50E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.807	5.67E-01	5.90E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.81	4.33E-01	4.70E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.188	5.00E-01	5.20E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	1.83	2.37E-01	2.10E+00	—	pCi/L	U	U	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.21	1.63E-01	2.80E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.37	2.83E-01	2.60E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.97	3.00E-01	2.50E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.57	3.13E-01	2.90E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.69	1.90E-01	1.50E+00	—	pCi/L	—	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	05/06/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	4.2	3.13E-01	2.10E+00	—	pCi/L	—	—	09-1773	CASA-09-8315	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.64	3.13E-01	1.90E+00	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.65	3.20E-01	2.50E+00	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.36	3.27E-01	2.60E+00	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.59	3.67E-01	2.80E+00	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.2	3.07E+00	2.40E+01	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	246	2.00E+01	1.60E+02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.8	1.10E+01	5.40E+01	—	pCi/L	—	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	215	2.33E+01	1.30E+02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.685	6.33E-01	6.10E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	21.4	4.33E+00	4.30E+01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	6.94	3.30E+00	3.40E+01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.9	4.67E+00	4.50E+01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0037	3.03E-03	2.90E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00226	1.70E-03	3.80E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	9.33E-04	3.30E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00629	2.10E-03	4.70E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00206	3.33E-03	3.20E-02	—	pCi/L	U	U	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0074	2.13E-03	2.70E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00678	2.00E-03	2.60E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00198	1.47E-03	3.30E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00314	2.77E-03	5.80E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	3.97	4.67E+00	4.70E+01	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-7.14	7.33E+00	7.70E+01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.9	4.33E+00	5.00E+01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-16.9	6.67E+00	6.90E+01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.794	3.67E-01	3.80E+00	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.83	5.33E-01	4.70E+00	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	3.67E-01	3.30E+00	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.136	5.00E-01	5.10E+00	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	4.54	1.60E-01	4.30E-01	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0364	3.67E-02	4.20E-01	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.00923	4.33E-02	4.80E-01	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.378	4.33E-02	4.20E-01	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.771	2.50E-02	5.00E-02	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.797	2.23E-02	5.10E-02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.727	2.10E-02	7.10E-02	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.577	1.70E-02	6.80E-02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.727	2.17E-02	9.10E-02	—	pCi/L	—	—	09-1773	CASA-09-8313	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00753	1.80E-03	4.60E-02	—	pCi/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0135	2.13E-03	2.90E-02	—	pCi/L	U	U	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0317	3.67E-03	3.60E-02	—	pCi/L	U	U	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0176	2.33E-03	3.30E-02	—	pCi/L	U	U	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	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	05/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.393	1.50E-02	4.60E-02	—	pCi/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.474	1.47E-02	3.30E-02	—	pCi/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.442	1.43E-02	4.40E-02	—	pCi/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.312	1.07E-02	3.40E-02	—	pCi/L	—	—	09-2774	CASA-09-10367	GELC
SCI-2	8601	548	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	05/06/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.33	—	—	2.50E-01	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.31	—	—	2.50E-01	ug/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.311	—	—	2.50E-01	ug/L	J	J	10-552	CASA-10-3716	GELC
SCI-2	8601	548	08/04/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.273	—	—	2.50E-01	ug/L	J	J	09-2773	CASA-09-10367	GELC
SCI-2	8601	548	05/06/09	WG	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	0.294	—	—	2.50E-01	ug/L	J	J	09-1771	CASA-09-8313	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	264	—	—	7.30E-01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	125	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.237	—	—	6.60E-02	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.235	—	—	6.60E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.239	—	—	6.60E-02	mg/L	—	J+	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.447	—	—	6.60E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.667	—	—	6.60E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.4	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3594	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	24.3	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	17.4	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	72.4	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.6	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	61.9	—	—	6.60E-01	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	61.1	—	—	6.60E-01	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1820	—	—	3.30E+01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.8	—	—	6.60E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	62.9	—	—	6.60E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.656	—	—	1.70E-01	mg/L	H	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.855	—	—	3.30E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.66	—	—	3.30E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	66	—	—	3.50E-01	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.4	—	—	3.50E-01	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	370	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	71	—	—	3.50E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	91.1	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	64.2	—	—	3.50E-01	mg/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.8	—	—	3.50E-01	mg/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	373	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	73.5	—	—	3.50E-01	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	88.5	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.23	—	—	8.50E-02	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.22	—	—	8.50E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	46.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.35	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	5.04	—	—	8.50E-02	mg/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.17	—	—	8.50E-02	mg/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	46.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.16	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.32	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.333	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.72	—	—	2.50E-01	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	2.56	—	—	2.00E-01	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	571	—	—	2.50E+00	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	599	—	—	2.50E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	14.4	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	64.4	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.3	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16687	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	912	—	—	5.00E+00	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	71	—	—	1.00E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	72.7	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	62.7	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	66.3	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	963	—	—	5.00E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	73.4	—	—	1.00E-01	mg/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.9	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	495	—	—	1.00E+00	uS/cm	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	489	—	—	1.00E+00	uS/cm	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	7310	—	—	1.00E+00	uS/cm	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	480	—	—	1.00E+00	uS/cm	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	529	—	—	1.00E+00	uS/cm	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	12.6	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.6	—	—	1.00E-01	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	424	—	—	5.00E+01	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22.1	—	—	1.00E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	23.9	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	16.6	—	—	1.10E+00	mg/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	11.6	—	—	2.30E+00	mg/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	43.2	—	—	2.30E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	2.30E+00	mg/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	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	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	357	—	—	2.40E+00	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	348	—	—	2.40E+00	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	4400	—	—	2.40E+00	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	382	—	—	2.40E+00	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	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	—	—	05/13/10	WS	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.445	—	—	3.30E-02	mg/L	—	J-	10-3171	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.434	—	—	3.30E-02	mg/L	—	J-	10-3171	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.338	—	—	3.30E-02	mg/L	—	J-	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.191	—	—	3.30E-02	mg/L	—	—	10-365	CASA-10-3595	GELC
Sandia below Wetlands	—	—	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	—	—	05/13/10	WS	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	4.81	—	—	3.30E-01	mg/L	—	—	10-3171	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.81	—	—	3.30E-01	mg/L	—	—	10-3171	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	96.6	—	—	3.30E+00	mg/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.45	—	—	3.30E-01	mg/L	—	—	10-365	CASA-10-3595	GELC
Sandia below Wetlands	—	—	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	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.3	—	—	1.50E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.88	—	—	1.50E-02	mg/L	—	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.11	—	—	1.50E-02	mg/L	—	J-	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.68	—	—	1.50E-02	mg/L	—	J+	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.07	—	—	1.00E-02	SU	H	J-	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	121	—	—	6.80E+01	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Aluminum	—	126	—	—	6.80E+01	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	110	—	—	6.80E+01	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	417	—	—	6.80E+01	ug/L	—	—	10-1502	CASA-10-9412	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	97.9	—	—	6.80E+01	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	517	—	—	6.80E+01	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6020	Arsenic	—	3.26	—	—	1.50E+00	ug/L	J	J	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.16	—	—	1.50E+00	ug/L	J	J	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.57	—	—	1.50E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.27	—	—	1.50E+00	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	3.82	—	—	1.50E+00	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.67	—	—	1.50E+00	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	5.59	—	—	1.50E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.65	—	—	1.50E+00	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	233	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	28.3	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Barium	—	31.8	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	31	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	237	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.2	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Boron	—	44.2	—	—	1.50E+01	ug/L	J	J	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	44.5	—	—	1.50E+01	ug/L	J	J	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	<	67	—	—	1.50E+01	ug/L	—	U	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	46.9	—	—	1.50E+01	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	59.1	—	—	1.50E+01	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Boron	—	44	—	—	1.50E+01	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.6	—	—	1.50E+01	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	<	67	—	—	1.50E+01	ug/L	—	U	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	46.1	—	—	1.50E+01	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	56.3	—	—	1.50E+01	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.12	—	—	2.50E+00	ug/L	J	J	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.63	—	—	2.50E+00	ug/L	J	J	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.95	—	—	2.50E+00	ug/L	J	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.46	—	—	2.50E+00	ug/L	J	J	10-2619	CASA-10-9834	GELC
Sandia below Wetlands	—	—	11/11/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	3.89	—	—	2.50E+00	ug/L	J	J	10-526	CASA-10-3892	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.41	—	—	2.50E+00	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Chromium	—	12.8	—	—	2.50E+00	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.74	—	—	2.50E+00	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	39.1	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.88	—	—	2.50E+00	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Copper	—	3.9	—	—	3.00E+00	ug/L	J	J	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.17	—	—	3.00E+00	ug/L	J	J	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	6.72	—	—	3.00E+00	ug/L	J	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.2	—	—	3.00E+00	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	3.16	—	—	3.00E+00	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Copper	—	5.42	—	—	3.00E+00	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	5.21	—	—	3.00E+00	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	13.9	—	—	3.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6	—	—	3.00E+00	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.88	—	—	3.00E+00	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	0.687	—	—	5.00E-01	ug/L	J	J	10-1502	CASA-10-9411	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Lead	—	1.01	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.864	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	2.59	—	—	5.00E-01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.1	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Manganese	—	26.4	—	—	2.00E+00	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	26.2	—	—	2.00E+00	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	103	—	—	2.00E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	73.8	—	—	2.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	42.1	—	—	2.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	60.2	—	—	2.00E+00	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	56.5	—	—	2.00E+00	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	113	—	—	2.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	41.8	—	—	2.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	71.6	—	—	2.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	11.5	—	—	1.00E-01	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	12	—	—	1.00E-01	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.52	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.56	—	—	1.00E-01	ug/L	—	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.02	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	10.7	—	—	1.00E-01	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	10.5	—	—	1.00E-01	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.47	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.16	—	—	1.00E-01	ug/L	—	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.21	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6020	Nickel	—	0.728	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	0.766	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.63	—	—	5.00E-01	ug/L	N	J-	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.92	—	—	5.00E-01	ug/L	J	J	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.12	—	—	5.00E-01	ug/L	N	J	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.6	—	—	5.00E-01	ug/L	J	J	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.57	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	101	—	—	5.30E-02	mg/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	98.8	—	—	5.30E-02	mg/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	92.3	—	—	5.30E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	125	—	—	2.70E-01	mg/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	112	—	—	2.70E-01	mg/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Silver	—	0.325	—	—	2.00E-01	ug/L	J	J	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	1.01	—	—	2.00E-01	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Silver	—	0.419	—	—	2.00E-01	ug/L	J	J	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Strontium	—	99.1	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	100	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	461	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	82.5	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	95.2	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	98.8	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	467	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86.6	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.273	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.246	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.85	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.368	—	—	5.00E-02	ug/L	—	U	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.309	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.325	—	—	5.00E-02	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.963	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.364	—	—	5.00E-02	ug/L	—	U	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.387	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	12	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.9	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.4	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.9	—	—	1.00E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	FD	Metals	SW-846:6010B	Zinc	—	26	—	—	3.30E+00	ug/L	—	—	10-3172	CASA-10-16691	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.4	—	—	3.30E+00	ug/L	—	—	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	42.9	—	—	3.30E+00	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/04/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.8	—	—	3.30E+00	ug/L	—	—	10-366	CASA-10-3594	GELC
Sandia below Wetlands	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.5	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10307	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	33.2	—	—	3.30E+00	ug/L	—	—	10-3172	CASA-10-16692	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31.5	—	—	3.30E+00	ug/L	—	—	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.3	—	—	3.30E+00	ug/L	—	—	10-1502	CASA-10-9412	GELC
Sandia below Wetlands	—	—	11/04/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	15.2	—	—	3.30E+00	ug/L	—	—	10-366	CASA-10-3595	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	24.1	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10309	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.97	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	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	—	—	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	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.5	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	153	—	—	7.30E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	129	—	—	7.30E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	130	—	—	7.30E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.2	—	—	6.60E-02	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.178	—	—	6.60E-02	mg/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.225	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.434	—	—	6.60E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.66	—	—	6.60E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.4	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.2	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	32.1	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	36.6	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.1	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.5	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.3	—	—	3.00E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	87.6	—	—	6.60E-01	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	176	—	—	6.60E+00	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	66.2	—	—	6.60E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	94.5	—	—	6.60E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	02/09/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	146	—	—	6.60E-01	mg/L	—	—	09-849	CASA-09-2748	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.281	—	—	3.30E-02	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	J-	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.413	—	—	3.30E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.575	—	—	3.30E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	105	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	104	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	119	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.2	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	136	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.3	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	104	—	—	3.50E-01	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	117	—	—	3.50E-01	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.59	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.37	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.68	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.74	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.56	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.5	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.71	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.67	—	—	8.50E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.41	—	—	8.50E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	J	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.64	—	—	1.00E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.56	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.486	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.678	—	—	5.00E-02	ug/L	—	J	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.77	—	—	5.00E-01	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.96	—	—	5.00E-01	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.424	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.479	—	—	5.00E-02	ug/L	—	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.7	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	11	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	24.3	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.8	—	—	5.00E-02	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.7	—	—	5.00E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.3	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	149	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	70.2	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	86.1	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	97.4	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	66.7	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	121	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	69.5	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	87.1	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	95.7	—	—	4.50E-02	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	572	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	963	—	—	1.00E+00	uS/cm	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	518	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	630	—	—	1.00E+00	uS/cm	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	740	—	—	1.00E+00	uS/cm	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	22	—	—	1.00E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.2	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.6	—	—	1.00E-01	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.9	—	—	1.00E-01	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.6	—	—	2.30E+00	mg/L	J	J	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	14	—	—	2.30E+00	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	2.30E+00	mg/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10.2	—	—	2.30E+00	mg/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.8	—	—	1.10E+00	mg/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	396	—	—	2.40E+00	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	666	—	—	2.40E+00	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	364	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	443	—	—	2.40E+00	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	498	—	—	2.40E+00	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.404	—	—	3.30E-02	mg/L	—	J	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.337	—	—	3.30E-02	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.212	—	—	3.30E-02	mg/L	—	J+	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.472	—	—	3.30E-02	mg/L	—	J-	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.378	—	—	3.30E-02	mg/L	—	J+	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.2	—	—	3.30E-01	mg/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.04	—	—	3.30E-01	mg/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.69	—	—	3.30E-01	mg/L	—	—	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.55	—	—	3.30E-01	mg/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.95	—	—	3.30E-01	mg/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.8	—	—	7.50E-02	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.27	—	—	1.50E-02	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.5	—	—	1.50E-02	mg/L	—	J-	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.89	—	—	7.50E-02	mg/L	—	J+	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	3.05	—	—	7.50E-02	mg/L	—	J-	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3559	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.41	—	—	1.00E-02	SU	H	J-	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.54	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.72	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.75	—	—	1.50E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.29	—	—	1.50E+00	ug/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.7	—	—	1.50E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.75	—	—	1.50E+00	ug/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	64	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	46.5	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	30.4	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	23.2	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	40.6	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.8	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.7	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	44.2	—	—	1.50E+01	ug/L	J	J	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	47.4	—	—	1.50E+01	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	30	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	71.7	—	—	1.50E+01	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	53.4	—	—	1.00E+01	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.9	—	—	1.50E+01	ug/L	J	J	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	49	—	—	1.50E+01	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.1	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	73.1	—	—	1.50E+01	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	52.5	—	—	1.00E+01	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.56	—	—	2.50E+00	ug/L	J	J	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.76	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	4.45	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	3.94	—	—	1.50E+00	ug/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.31	—	—	2.50E+00	ug/L	J	J	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.83	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.89	—	—	2.50E+00	ug/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	<	4.46	—	—	1.50E+00	ug/L	—	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.95	—	—	3.00E+00	ug/L	J	J	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.65	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	4.91	—	—	3.00E+00	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.28	—	—	3.00E+00	ug/L	J	J	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.94	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.33	—	—	3.00E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.83	—	—	3.00E+00	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.7	—	—	2.00E+00	ug/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	15	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.81	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3559	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.99	—	—	2.00E+00	ug/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.84	—	—	2.00E+00	ug/L	J	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15.9	—	—	2.00E+00	ug/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	44.4	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.79	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	10.2	—	—	2.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.94	—	—	2.00E+00	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	29.6	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.61	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.68	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.66	—	—	1.00E-01	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	30.4	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.26	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.65	—	—	1.00E-01	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.76	—	—	1.00E-01	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.01	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	<	1.49	—	—	5.00E-01	ug/L	J	U	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.08	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.48	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.42	—	—	5.00E-01	ug/L	J	J	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	<	2.82	—	—	5.00E-01	ug/L	—	U	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.46	—	—	5.00E-01	ug/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.63	—	—	5.00E-01	ug/L	J	J	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	84.4	—	—	5.30E-02	mg/L	—	—	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	130	—	—	5.30E-01	mg/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	104	—	—	5.30E-01	mg/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	99.5	—	—	5.30E-02	mg/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	93.2	—	—	3.20E-02	mg/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	94	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	169	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.1	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	146	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.383	—	—	3.00E-01	ug/L	J	J	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	0.539	—	—	3.00E-01	ug/L	J	U	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	—	0.49	—	—	3.00E-01	ug/L	J	J	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Thallium	<	1	—	—	3.00E-01	ug/L	U	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.146	—	—	5.00E-02	ug/L	J	J	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.365	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3559	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.304	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.578	—	—	5.00E-02	ug/L	—	U	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.162	—	—	5.00E-02	ug/L	J	J	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.411	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.567	—	—	5.00E-02	ug/L	—	U	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.2	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	19.2	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.8	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.8	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.8	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	46	—	—	3.30E+00	ug/L	—	—	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	52.6	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	32.4	—	—	3.30E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.5	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10305	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	47.3	—	—	2.00E+00	ug/L	—	—	09-1792	CASA-09-8240	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	48.2	—	—	3.30E+00	ug/L	—	—	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	85.3	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	34.4	—	—	3.30E+00	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	42.3	—	—	3.30E+00	ug/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	05/07/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	53	—	—	2.00E+00	ug/L	—	—	09-1792	CASA-09-8241	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	7.07	—	—	2.50E-01	ug/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	5.33	—	—	2.50E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	1.4	—	—	2.50E-01	ug/L	—	—	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	4.67	—	—	2.50E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Bromodichloromethane	—	7.8	—	—	—	ug/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	2.95	—	—	3.00E-01	ug/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	1.78	—	—	3.00E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	0.73	—	—	3.00E-01	ug/L	J	J	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	4.76	—	—	3.00E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chlorodibromomethane	—	18.5	—	—	—	ug/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	7.45	—	—	2.50E-01	ug/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	6.04	—	—	2.50E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	1.35	—	—	2.50E-01	ug/L	—	—	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	2.86	—	—	2.50E-01	ug/L	—	—	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Chloroform	—	1.9	—	—	—	ug/L	—	—	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	FTB	Voa	SW-846:8260B	Methylene Chloride	—	3.02	—	—	3.00E+00	ug/L	J	J	10-3090	CASA-10-16682	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	10-321	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	10	—	—	3.00E+00	ug/L	U	U	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Voa	SW-846:8260B	Methylene Chloride	<	5	—	—	—	ug/L	U	—	138450	GU05060P12101	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	37.4	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	10.9	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	208	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	205	—	—	7.30E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	141	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	147	—	—	7.30E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.303	—	—	1.60E-02	mg/L	—	J	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.067	—	—	1.60E-02	mg/L	—	J-	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.056	—	—	1.60E-02	mg/L	—	J-	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.124	—	—	1.60E-02	mg/L	—	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	9.11	—	—	1.30E-01	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.7	—	—	6.60E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.59	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	2.14	—	—	6.60E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	40.7	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.2	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.8	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.4	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	41.9	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.7	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.7	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	25.8	—	—	1.30E-01	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	64	—	—	6.60E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	13.1	—	—	6.60E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	11.9	—	—	6.60E-02	mg/L	—	J+	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.963	—	—	3.30E-02	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.526	—	—	3.30E-02	mg/L	—	J-	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.906	—	—	3.30E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.793	—	—	3.30E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	157	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	164	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	108	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	161	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	166	—	—	3.50E-01	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	121	—	—	3.50E-01	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.6	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.31	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.21	—	—	8.50E-02	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.19	—	—	5.00E-02	mg/L	—	J	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.109	—	—	5.00E-02	mg/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.665	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.58	—	—	5.00E-02	mg/L	—	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.13	—	—	1.00E-01	ug/L	—	J	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.513	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.853	—	—	5.00E-02	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.637	—	—	5.00E-02	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.3	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	46.6	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	23.9	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3561	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.7	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.7	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	46.3	—	—	5.00E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	23.4	—	—	5.00E-02	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	28.4	—	—	5.00E-02	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	58	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	77.9	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	45.4	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	43.2	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	58.7	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	75.3	—	—	1.00E-01	mg/L	E	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.1	—	—	1.00E-01	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.4	—	—	1.00E-01	mg/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	639	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	793	—	—	1.00E+00	uS/cm	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	uS/cm	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	54.3	—	—	2.00E-01	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	66.9	—	—	1.00E+00	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.3	—	—	1.00E+00	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	58.3	—	—	5.00E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	640	—	—	2.40E+00	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	653	—	—	2.40E+00	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	453	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	488	—	—	2.40E+00	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	3.43	—	—	3.30E-02	mg/L	—	—	10-3090	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.04	—	—	3.30E-02	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.401	—	—	3.30E-02	mg/L	—	J-	10-321	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.785	—	—	3.30E-02	mg/L	—	J	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	17.2	—	—	3.30E-01	mg/L	—	—	10-3090	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	11.9	—	—	3.30E-01	mg/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.25	—	—	3.30E-01	mg/L	—	—	10-321	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	9.77	—	—	3.30E-01	mg/L	—	—	09-2871	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.79	—	—	1.50E-02	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.54	—	—	1.50E-02	mg/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.01	—	—	1.50E-02	mg/L	—	J-	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	2.52	—	—	1.50E-02	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.93	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.36	—	—	1.00E-02	SU	H	J-	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.5	—	—	1.00E-02	SU	H	J-	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	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	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Antimony	—	0.698	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	1.6	—	—	5.00E-01	ug/L	J	U	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	—	0.985	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Antimony	<	0.585	—	—	5.00E-01	ug/L	J	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.693	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	1.59	—	—	5.00E-01	ug/L	J	U	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	1.03	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	9.39	—	—	1.50E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.48	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5.04	—	—	1.50E+00	ug/L	—	U	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.34	—	—	1.50E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	7.87	—	—	1.50E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.01	—	—	1.50E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	7.06	—	—	1.50E+00	ug/L	—	U	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.48	—	—	1.50E+00	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	88.9	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	100	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	61.1	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	68.8	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	92	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	101	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.1	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	69.5	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	61.6	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	68.2	—	—	1.50E+01	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	32.1	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	48.2	—	—	1.50E+01	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	62.2	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	69	—	—	1.50E+01	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.8	—	—	1.50E+01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	49.1	—	—	1.50E+01	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	03/01/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	2.62	—	—	2.50E+00	ug/L	J	U	10-2380	CASA-10-9833	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/20/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-647	CASA-10-3891	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	10.3	—	—	2.50E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.68	—	—	2.50E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.52	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	9.09	—	—	3.00E+00	ug/L	J	J	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	32.8	—	—	3.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	9.05	—	—	3.00E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.5	—	—	3.00E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.54	—	—	3.00E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	60.8	—	—	3.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.9	—	—	3.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	0.797	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.989	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.509	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.595	—	—	5.00E-01	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	17.2	—	—	2.00E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	74.6	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.86	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.4	—	—	2.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	19	—	—	2.00E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	67.9	—	—	2.00E+00	ug/L	—	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.04	—	—	2.00E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.8	—	—	2.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.62	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16685	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.85	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.96	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.74	—	—	1.00E-01	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.36	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.83	—	—	1.00E-01	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.8	—	—	1.00E-01	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.75	—	—	1.00E-01	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	<	1.94	—	—	5.00E-01	ug/L	J	U	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	0.868	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	0.828	—	—	5.00E-01	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	ug/L	J	J	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.9	—	—	5.00E-01	ug/L	J	U	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.852	—	—	5.00E-01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.735	—	—	5.00E-01	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	18.6	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	3.51	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	2.09	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	2.24	—	—	1.00E+00	ug/L	J	J	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	3.57	—	—	1.00E+00	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.54	—	—	1.00E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.38	—	—	1.00E+00	ug/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	189	—	—	5.30E-01	mg/L	—	—	10-3090	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	183	—	—	5.30E-01	mg/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	196	—	—	5.30E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	173	—	—	2.70E-01	mg/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	222	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	143	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	191	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	223	—	—	1.00E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	125	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	152	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.633	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.67	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.787	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.787	—	—	5.00E-02	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.568	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.66	—	—	5.00E-02	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.687	—	—	5.00E-02	ug/L	N	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.79	—	—	5.00E-02	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	38	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	24.8	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	23.9	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	22.3	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	39.4	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	26.3	—	—	1.00E+00	ug/L	—	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	23.8	—	—	1.00E+00	ug/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	22.4	—	—	1.00E+00	ug/L	—	—	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.3	—	—	3.30E+00	ug/L	—	—	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	13.9	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9405	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.41	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.48	—	—	3.30E+00	ug/L	J	U	09-2872	CASA-09-10315	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	24.7	—	—	3.30E+00	ug/L	—	—	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.5	—	—	3.30E+00	ug/L	—	—	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.43	—	—	3.30E+00	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	<	11.1	—	—	3.30E+00	ug/L	—	U	09-2872	CASA-09-10313	GELC

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
GRO	Gasoline-range organics
HERB	Herbicides

Acronyms and Abbreviations (continued)

Code	Description
HEXP	High explosives
METALS	Metal
PEST/PCB	Pesticides and PCBs
RAD	Radionuclides
SVOA	Semivolatile organics
VOA	Volatile organics
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 Contract Laboratory Program (CLP) acceptance criteria as explained in the case narrative. (J) (Organic/General inorganics)—The result for this analyte was greater than the MDL, but less than the PQL. (N) (Organic)—The reported analyte is a tentatively identified compound (TIC). (N) (Inorganic)—The result for this analyte in the matrix spike sample was outside acceptance criteria.
EN	See E code and see N code.

Analytical Laboratory Qualifier Codes (continued)

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

Analytical Laboratory Qualifier Codes (continued)

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

Table D-1
Previously Unreported Mortandad Groundwater Tritium

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-46	SINGLE	1340	02/05/10	H-3	UF	CS	—*	<	-0.35	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-14	SINGLE	1200.6	02/03/10	H-3	UF	CS	—	<	-0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-1	SINGLE	1031.1	02/11/10	H-3	UF	CS	—	<	-0.10	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-33	MULTI	995.5	01/28/10	H-3	UF	CS	—	<	-0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-33	MULTI	1112.4	01/28/10	H-3	UF	CS	—	<	-0.10	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-15	SINGLE	958.6	02/11/10	H-3	UF	CS	—	—	30.33	0.96	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-42	SINGLE	931.8	02/10/10	H-3	UF	CS	—	—	224.79	7.34	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-28	SINGLE	934.3	02/03/10	H-3	UF	CS	—	—	199.56	6.71	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-45	MULTI	880	01/27/10	H-3	UF	CS	—	—	1.34	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-45	MULTI	974.9	01/27/10	H-3	UF	CS	PEB	<	0.19	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-45	MULTI	974.9	01/27/10	H-3	UF	CS	FD	<	0.86	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-45	MULTI	974.9	01/27/10	H-3	UF	CS	—	—	1.28	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-44	MULTI	895	02/10/10	H-3	UF	CS	—	<	0.48	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-44	MULTI	985.3	02/10/10	H-3	UF	CS	—	<	-0.19	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-13	SINGLE	958.3	02/11/10	H-3	UF	CS	FD	<	0.77	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-13	SINGLE	958.3	02/11/10	H-3	UF	CS	—	—	4.95	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-34	SINGLE	883.7	02/10/10	H-3	UF	CS	—	<	-0.38	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16r	SINGLE	600	02/04/10	H-3	UF	CS	—	<	-0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16	MULTI	863.4	02/08/10	H-3	UF	CS	—	<	0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-16	MULTI	1237	02/08/10	H-3	UF	CS	—	<	-0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

* — None.

Table D-2
Previously Unreported Mortandad Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-34	SINGLE	884	02/10/10	—*	F	CS	CIO4	SW-846:6850	—	0.297	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-3
Previously Unreported Mortandad Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard
Regional	R-34	SINGLE	883.7	02/10/10	—*	UF	CS	PEST/PCB	Aroclor-1242	53469-21-9	—*	0.12	0.036	µg/L	1	—	—	—	SW-846:8082	GELC	0.5	0.24	0.34	0.35	1
Regional	R-34	SINGLE	883.7	02/10/10	—	UF	CS	PEST/PCB	Aroclor-1254	11097-69-1	—	0.056	0.036	µg/L	1	J	J	J_LAB	SW-846:8082	GELC	0.5	0.11	0.34	0.16	1

* — None.

**Table D-4
Previously Unreported Sandia Groundwater Radionuclides**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Screening Level	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	R-12	MULTI	459	02/09/10	Ra-226	UF	CS	—*	—	0.633	0.18	0.33	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.16	5	0.13	30	0.02
Regional	R-10	MULTI	874	02/09/10	Ra-226	UF	CS	—	—	0.847	0.19	0.33	pCi/L	GELC	EPA:903.1	—	—	—	100	0.01	4	0.21	5	0.17	30	0.03

* — None.

**Table D-5
Previously Unreported Sandia Groundwater Tritium**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Intermediate	SCI-1	SINGLE	358.4	02/05/10	H-3	UF	CS	—*	—	83.34	2.87	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	SCI-2	SINGLE	548	02/08/10	H-3	UF	CS	—	—	472.56	15.97	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-12	MULTI	459	02/09/10	H-3	UF	CS	—	—	74.08	2.55	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Intermediate	R-12	MULTI	504.5	02/09/10	H-3	UF	CS	—	—	53.00	1.92	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-43	MULTI	903.9	02/02/10	H-3	UF	CS	—	<	0.03	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-43	MULTI	969.1	02/02/10	H-3	UF	CS	—	<	-0.13	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-11	SINGLE	855	01/29/10	H-3	UF	CS	—	—	4.25	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-35b	SINGLE	825.4	02/11/10	H-3	UF	CS	FD	<	-0.06	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-35b	SINGLE	825.4	02/11/10	H-3	UF	CS	—	<	-0.22	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-35a	SINGLE	1013.1	02/11/10	H-3	UF	CS	—	<	0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-36	SINGLE	766.9	02/04/10	H-3	UF	CS	—	—	18.62	0.64	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	—	—
Regional	R-10	MULTI	874	02/09/10	H-3	UF	CS	—	<	0.45	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	—	U	R11
Regional	R-10	MULTI	1042	02/09/10	H-3	UF	CS	—	<	-0.26	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5
Regional	R-10a	SINGLE	690	02/09/10	H-3	UF	CS	—	<	-0.32	0.29	0.28737	—	pCi/L	Generic:Low_Level_Tritium	UMTL	U	U	R5

* — None.

Table D-6
Previously Unreported Sandia Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Intermediate	R-12	MULTI	459	02/09/10	—*	F	CS	ClO ₄	SW-846:6850	—	0.258	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-12	MULTI	505	02/09/10	—	F	CS	ClO ₄	SW-846:6850	—	0.907	0.1	µg/L	2	—	—	—	GELC
Regional	R-10	MULTI	874	02/09/10	—	F	CS	ClO ₄	SW-846:6850	—	0.84	0.05	µg/L	1	—	—	—	GELC
Regional	R-10	MULTI	1042	02/09/10	—	F	CS	ClO ₄	SW-846:6850	—	0.502	0.05	µg/L	1	—	—	—	GELC
Regional	R-10a	SINGLE	690	02/09/10	—	F	CS	ClO ₄	SW-846:6850	—	0.827	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-7
Previously Unreported Sandia Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	R-12	MULTI	459	02/09/10	Mn	F	CS	—*	—	131	2	µg/L	GELC	—	—	—	SW-846:6010B	200	0.66

* — None.

**Table D-8
Mortandad Groundwater Radionuclides**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Screening Level	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
Intermediate	MCOI-4	SINGLE	499	05/04/10	H-3	UF	CS	—*	—	5570	570	160	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.07	20000	0.28
Intermediate	MCOI-5	SINGLE	689	05/03/10	H-3	UF	CS	—	—	3920	410	160	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.05	20000	0.2
Intermediate	MCOI-6	SINGLE	686	05/11/10	H-3	UF	CS	FD	—	6450	650	180	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.08	20000	0.32
Intermediate	MCOI-6	SINGLE	686	05/11/10	H-3	UF	CS	—	—	6680	670	180	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.08	20000	0.33
Regional	R-50	MULTI	1185	05/27/10	GROSSA	UF	CS	—	—	5.78	1.4	1.9	pCi/L	GELC	EPA:900	—	—	—	30	0.19	—	—	15	0.39

* — None.

**Table D-9
Mortandad Groundwater Tritium**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
Regional	R-44	MULTI	895	05/04/10	H-3	UF	CS	—*	<	0.67	0.64	2.10738	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	985.3	05/04/10	H-3	UF	CS	FD	<	-0.64	0.64	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-44	MULTI	985.3	05/04/10	H-3	UF	CS	—	<	—	0.67	2.26703	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	863.4	05/04/10	H-3	UF	CS	—	<	-0.64	0.67	2.33089	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

* — None.

Table D-10
Mortandad Groundwater Inorganics

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)	NMED GW CONS Screening Level	Ratio (Result/Screening Level)
CIO4	Alluvial	MCO-4B	SINGLE	8.9	05/14/10	F	—*	CS	—	7.07	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.77
CIO4	Alluvial	MCO-6	SINGLE	27	05/11/10	F	—	CS	—	4.61	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.15
CIO4	Alluvial	MCO-7	SINGLE	39	05/11/10	F	—	CS	—	7.54	—	0.5	µg/L	GELC	—	—	—	15	0.5	—	—	4	1.89
CIO4	Intermediate	MCOI-4	SINGLE	499	05/04/10	F	—	CS	—	51.7	—	5	µg/L	GELC	—	—	—	15	3.45	—	—	4	12.93
CIO4	Intermediate	MCOI-5	SINGLE	689	05/03/10	F	—	CS	—	91.9	—	10	µg/L	GELC	—	—	—	15	6.13	—	—	4	22.98
CIO4	Intermediate	MCOI-6	SINGLE	686	05/11/10	F	FD	CS	—	79.2	—	10	µg/L	GELC	—	J+	PE12f	15	5.28	—	—	4	19.8
CIO4	Intermediate	MCOI-6	SINGLE	686	05/11/10	F	—	CS	—	78.6	—	10	µg/L	GELC	—	J+	PE12f	15	5.24	—	—	4	19.65
CIO4	Regional	R-15	SINGLE	958.6	05/17/10	F	—	CS	—	7.02	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.76
F(-1)	Alluvial	MCO-6	SINGLE	27	05/11/10	F	—	CS	—	0.872	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.55	1.6	0.55
F(-1)	Alluvial	MCO-7	SINGLE	39	05/11/10	F	—	CS	—	1.01	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.63	1.6	0.63
NO3+NO2-N	Intermediate	MCOI-4	SINGLE	499	05/04/10	F	—	CS	—	9.4	—	0.25	mg/L	GELC	—	J	I4a	10	0.94	10	0.94	10	0.94
NO3+NO2-N	Intermediate	MCOI-5	SINGLE	689	05/03/10	F	—	CS	—	5.18	—	0.25	mg/L	GELC	—	—	—	10	0.52	10	0.52	10	0.52
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	05/11/10	F	FD	CS	—	10.7	—	0.25	mg/L	GELC	—	J	I4a	10	1.07	10	1.07	10	1.07
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	05/11/10	F	—	CS	—	10.9	—	0.25	mg/L	GELC	—	J	I4a	10	1.09	10	1.09	10	1.09
NO3+NO2-N	Regional	R-42	SINGLE	931.8	05/13/10	F	—	CS	—	6.34	—	0.1	mg/L	GELC	—	J	I4a	10	0.63	10	0.63	10	0.63

* — None.

**Table D-11
Mortandad Groundwater Perchlorate**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	MCO-3	SINGLE	2	05/14/10	—*	F	CS	CIO4	SW-846:6850	—	1.11	0.1	µg/L	2	—	—	—	GELC
Alluvial	MCO-4B	SINGLE	9	05/14/10	—	F	CS	CIO4	SW-846:6850	—	7.07	0.5	µg/L	10	—	—	—	GELC
Alluvial	MCO-6	SINGLE	27	05/11/10	—	F	CS	CIO4	SW-846:6850	—	4.61	0.5	µg/L	10	—	—	—	GELC
Alluvial	MCO-7	SINGLE	39	05/11/10	—	F	CS	CIO4	SW-846:6850	—	7.54	0.5	µg/L	10	—	—	—	GELC
Intermediate	MCOI-4	SINGLE	499	05/04/10	—	F	CS	CIO4	SW-846:6850	—	51.7	5	µg/L	100	—	—	—	GELC
Intermediate	MCOI-5	SINGLE	689	05/03/10	—	F	CS	CIO4	SW-846:6850	—	91.9	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	05/11/10	—	F	CS	CIO4	SW-846:6850	—	78.6	10	µg/L	200	—	J+	PE12f	GELC
Intermediate	MCOI-6	SINGLE	686	05/11/10	FD	F	CS	CIO4	SW-846:6850	—	79.2	10	µg/L	200	—	J+	PE12f	GELC
Regional	R-46	SINGLE	1340	05/07/10	—	F	CS	CIO4	SW-846:6850	—	0.311	0.05	µg/L	1	—	—	—	GELC
Regional	R-14	SINGLE	1201	05/03/10	—	F	CS	CIO4	SW-846:6850	—	0.284	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	05/03/10	—	F	CS	CIO4	SW-846:6850	—	0.34	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	996	05/12/10	—	F	CS	CIO4	SW-846:6850	—	0.391	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	1112	05/12/10	—	F	CS	CIO4	SW-846:6850	—	0.343	0.05	µg/L	1	—	—	—	GELC
Regional	R-15	SINGLE	959	05/17/10	—	F	CS	CIO4	SW-846:6850	—	7.02	0.5	µg/L	10	—	—	—	GELC
Regional	R-42	SINGLE	932	05/13/10	—	F	CS	CIO4	SW-846:6850	—	1.31	0.1	µg/L	2	—	—	—	GELC
Regional	R-28	SINGLE	934	05/13/10	—	F	CS	CIO4	SW-846:6850	—	0.99	0.1	µg/L	2	—	—	—	GELC
Regional	R-45	MULTI	880	05/13/10	—	F	CS	CIO4	SW-846:6850	—	0.535	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	05/14/10	—	F	CS	CIO4	SW-846:6850	—	0.374	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	05/27/10	—	F	CS	CIO4	SW-846:6850	—	0.455	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	05/27/10	—	F	CS	CIO4	SW-846:6850	—	0.485	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1185	05/27/10	—	F	CS	CIO4	SW-846:6850	—	0.324	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1185	05/27/10	—	F	CS	CIO4	SW-846:6850	—	0.327	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	05/04/10	—	F	CS	CIO4	SW-846:6850	—	0.375	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	05/04/10	—	F	CS	CIO4	SW-846:6850	—	0.315	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	05/04/10	FD	F	CS	CIO4	SW-846:6850	—	0.345	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	05/06/10	—	F	CS	CIO4	SW-846:6850	—	0.369	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	05/06/10	FD	F	CS	CIO4	SW-846:6850	—	0.363	0.05	µg/L	1	—	—	—	GELC
Regional	R-16r	SINGLE	600	05/07/10	—	F	CS	CIO4	SW-846:6850	—	0.358	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	863	05/04/10	—	F	CS	CIO4	SW-846:6850	—	0.452	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	1237	05/07/10	—	F	CS	CIO4	SW-846:6850	—	0.415	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-12
Mortandad Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWWCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	MCOI-6	SINGLE	686	05/11/10	Cr	F	CS	FD	—*	46.7	2.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	50	0.93
Intermediate	MCOI-6	SINGLE	686	05/11/10	Cr	F	CS	—	—	48.7	2.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	50	0.97
Regional	R-46	SINGLE	1340	05/07/10	Sb	UF	CS	—	—	3.92	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.65	—	—
Regional	R-46	SINGLE	1340	05/07/10	Sb	F	CS	—	—	3.46	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.58	—	—
Regional	R-42	SINGLE	931.8	05/13/10	Cr	F	CS	—	—	850	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	8.5	50	17
Regional	R-42	SINGLE	931.8	05/13/10	Cr	UF	CS	—	—	960	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	9.6	—	—
Regional	R-28	SINGLE	934.3	05/13/10	Cr	F	CS	—	—	342	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	3.42	50	6.84
Regional	R-28	SINGLE	934.3	05/13/10	Cr	UF	CS	—	—	340	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	3.4	—	—
Regional	R-50	MULTI	1077	05/27/10	Cr	F	CS	—	—	49.8	2.5	µg/L	GELC	N	J-	l6a	SW-846:6020	—	—	50	1
Regional	R-50	MULTI	1077	05/27/10	Cr	F	CS	—	—	52.9	2.5	µg/L	GELC	N	J-	l6a	SW-846:6020	100	0.53	50	1.06
Regional	R-50	MULTI	1077	05/27/10	Cr	F	CS	—	—	53.8	2.5	µg/L	GELC	N	J-	l6a	SW-846:6020	100	0.54	50	1.08
Regional	R-50	MULTI	1077	05/27/10	Cr	UF	CS	—	—	55.7	2.5	µg/L	GELC	N	J-	l6a	SW-846:6020	100	0.56	—	—
Regional	R-50	MULTI	1077	05/27/10	Cr	UF	CS	—	—	56.9	2.5	µg/L	GELC	N	J-	l6a	SW-846:6020	100	0.57	—	—

* — None.

Table D-13
Mortandad Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	MCOI-4	SINGLE	499	05/04/10	—*	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	32.3	2.2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	61	0.53	—	—	—	—
Intermediate	MCOI-5	SINGLE	689	05/03/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	8.74	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	61	0.14	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	05/11/10	FD	UF	CS	SVOA	Benzo(a)pyrene	50-32-8	—	0.245	0.21	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	0.2	1.23	0.029	8.45	—	—	0.7	0.35
Intermediate	MCOI-6	SINGLE	686	05/11/10	FD	UF	CS	SVOA	Benzo(b)fluoranthene	205-99-2	—	0.239	0.21	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	0.29	0.82	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	05/11/10	FD	UF	CS	SVOA	Benzo(k)fluoranthene	207-08-9	—	0.26	0.21	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	2.9	0.09	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	05/11/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	2.36	2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.39	48	0.05	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	05/11/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	15.6	2	µg/L	1	—	J	SV7c	SW-846:8270C	GELC	—	—	61	0.26	—	—	—	—
Regional	R-46	SINGLE	1340	05/07/10	—	UF	CS	VOA	Toluene	108-88-3	—	1.38	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-33	MULTI	995.5	05/12/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	3.38	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.68	48	0.07	----	—	100	0.03
Regional	R-33	MULTI	1112.4	05/12/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—	3.93	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.79	48	0.08	----	—	100	0.04
Regional	R-50	MULTI	1077	05/27/10	FD	UF	CS	SVOA	Benzoic Acid	65-85-0	—	13	6.3	µg/L	1	J	J	SV88	SW-846:8270C	GELC	—	—	—	—	150000	—	—	—
Regional	R-50	MULTI	1077	05/27/10	FD	UF	DL	SVOA	Diethylphthalate	84-66-2	—	432	8.4	µg/L	4	—	J	SV88	SW-846:8270C	GELC	—	—	—	—	29000	0.01	—	—
Regional	R-50	MULTI	1077	05/27/10	FD	UF	RE	SVOA	Diethylphthalate	84-66-2	—	2.99	2.2	µg/L	1	J	J-	SV9	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-50	MULTI	1077	05/27/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	60	2.1	µg/L	1	—	J	SV88	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-50	MULTI	1077	05/27/10	—	UF	RE	SVOA	Diethylphthalate	84-66-2	—	7.8	2.1	µg/L	1	J	J-	SV9	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-50	MULTI	1185	05/27/10	FD	UF	CS	SVOA	Diethylphthalate	84-66-2	—	14.2	2.1	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—

* — None.

Table D-14
Sandia Groundwater Radionuclides

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE DCG	Ratio (Result/Screening Level)	DOE Drinking Water DCG Screening Level	Ratio (Result/Screening Level)	EPA MCL	Ratio (Result/Screening Level)
Intermediate	SCI-2	SINGLE	548	05/06/10	Sr-90	UF	CS	—*	—	4.54	0.48	0.43	pCi/L	GELC	EPA:905.0	—	—	—	1000	—	40	0.11	8	0.57
Regional	R-43	MULTI	969.1	05/10/10	Sr-90	UF	CS	—	—	0.889	0.19	0.43	pCi/L	GELC	EPA:905.0	—	—	—	1000	—	40	0.02	8	0.11

* — None.

Table D-15
Sandia Groundwater Inorganics

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWWCC Groundwater Standard	Ratio (Result/Screening Level)
Cl(-1)	Alluvial	SCA-4	SINGLE	37	05/10/10	F	—*	CS	—	132	—	1.3	mg/L	GELC	—	—	—	—	—	250	0.53
NO3+NO2-N	Regional	R-43	MULTI	903.9	05/10/10	F	—	CS	—	5.51	—	0.1	mg/L	GELC	—	—	—	10	0.55	10	0.55
NO3+NO2-N	Regional	R-11	SINGLE	855	05/05/10	F	—	CS	—	5.23	—	0.1	mg/L	GELC	—	—	—	10	0.52	10	0.52

* — None.

Table D-16
Sandia Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	SCA-1-DP	MULTI	2	05/13/10	—*	F	CS	CIO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Alluvial	SCA-2	SINGLE	10	05/12/10	—	F	CS	CIO4	SW-846:6850	—	0.355	0.05	µg/L	1	—	—	—	GELC
Alluvial	SCA-4	SINGLE	37	05/10/10	—	F	CS	CIO4	SW-846:6850	—	1.74	0.2	µg/L	4	—	—	—	GELC
Intermediate	SCI-1	SINGLE	358	05/07/10	—	F	CS	CIO4	SW-846:6850	—	0.868	0.05	µg/L	1	—	J	PE12e	GELC
Intermediate	SCI-2	SINGLE	548	05/06/10	—	F	CS	CIO4	SW-846:6850	—	0.979	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-12	MULTI	459	05/05/10	—	F	CS	CIO4	SW-846:6850	—	0.282	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-12	MULTI	505	05/17/10	—	F	CS	CIO4	SW-846:6850	—	0.846	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	904	05/10/10	—	F	CS	CIO4	SW-846:6850	—	0.851	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	969	05/10/10	—	F	CS	CIO4	SW-846:6850	—	0.411	0.05	µg/L	1	—	—	—	GELC
Regional	R-11	SINGLE	855	05/05/10	—	F	CS	CIO4	SW-846:6850	—	0.79	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	05/12/10	—	F	CS	CIO4	SW-846:6850	—	0.561	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	05/12/10	FD	F	CS	CIO4	SW-846:6850	—	0.545	0.05	µg/L	1	—	—	—	GELC
Regional	R-35a	SINGLE	1013	05/14/10	—	F	CS	CIO4	SW-846:6850	—	0.417	0.05	µg/L	1	—	—	—	GELC
Regional	R-36	SINGLE	767	05/12/10	—	F	CS	CIO4	SW-846:6850	—	1.55	0.2	µg/L	4	—	—	—	GELC

* — None.

**Table D-17
Sandia Groundwater Metals**

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	05/13/10	Cr	UF	CS	—*	—	81.7	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.82	—	—
Alluvial	SCA-1-DP	MULTI	2.16	05/13/10	Mn	F	CS	—	—	410	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	2.05
Intermediate	SCI-2	SINGLE	548	05/06/10	Cr	F	CS	—	—	526	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.26	50	10.52
Intermediate	SCI-2	SINGLE	548	05/06/10	Cr	UF	CS	—	—	529	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.29	—	—
Intermediate	R-12	MULTI	459	05/05/10	Mn	F	CS	—	—	142	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	0.71

* — None.

**Table D-18
Sandia Groundwater Organics**

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWOCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	05/13/10	—*	UF	CS	PEST/PCB	Aroclor-1260	11096-82-5	—	0.073	0.04	µg/L	1	J	J	J_LAB	SW-846:8082	GELC	0.5	0.15	0.34	0.21	1	0.07
Alluvial	SCA-2	SINGLE	10.3	05/12/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.28	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.15	100	—
Alluvial	SCA-4	SINGLE	37	05/10/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.4	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	05/07/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.5	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	0.01	1.9	0.26	100	0.01
Intermediate	SCI-1	SINGLE	358.4	05/07/10	—	UF	CS	VOA	Methylene Chloride	75-09-2	—	3.24	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.65	48	0.07	100	0.03
Intermediate	SCI-2	SINGLE	548	05/06/10	—	UF	CS	VOA	Chloroform	67-66-3	—	0.33	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	80	—	1.9	0.17	100	—
Regional	R-43	MULTI	969.1	05/10/10	—	UF	CS	VOA	Trichloroethene	79-01-6	—	0.35	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5	0.07	20	0.02	100	—

* — None.

**Table D-19
Mortandad Surface Water Radionuclides**

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	Unit	Lab Code	Analytical Method Code	Load Date	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	DOE BCG Water Screening Level	Ratio (Result/Screening Level)	NMED Radiation Protection Standard	Ratio (Result/Screening Level)
WS	TS-1W	05/03/10	Sr-90	UF	CS	—*	—	9.12	0.86	0.4	pCi/L	GELC	EPA:905.0	06/03/10	—	—	—	300	0.03	500	0.02

* — None.

**Table D-20
Mortandad Surface Water Perchlorate**

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	TS-1W	05/03/10	—*	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

* — None.

**Table D-21
Mortandad Surface Water Metals**

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)
WS	TS-1W	05/03/10	Al	F	CS	—*	—	447	68	µg/L	GELC	—	—	—	SW-846:6010B	750	0.6	87	5.14
WS	TS-1W	05/03/10	Cu	F	CS	—	—	7.7	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	13.4	0.57	9	0.86

* — None.

**Table D-22
Sandia Surface Water Perchlorate**

Field Matrix Code	Hdr 2	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	E121	Sandia right fork at Power Plant	05/07/10	—*	F	CS	CIO4	SW-846:6850	—	0.678	0.05	µg/L	1	—	J	PE12e	GELC
WS	E123	Sandia below Wetlands	05/13/10	PEB	UF	CS	CIO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
WS	E123	Sandia below Wetlands	05/13/10	—	F	CS	CIO4	SW-846:6850	—	0.333	0.05	µg/L	1	—	—	—	GELC
WS	E123	Sandia below Wetlands	05/13/10	FD	F	CS	CIO4	SW-846:6850	—	0.32	0.05	µg/L	1	—	—	—	GELC
WS	Middle Sandia Canyon at terminus of persistent baseflow	Middle Sandia Canyon at terminus of persistent baseflow	05/05/10	—	F	CS	CIO4	SW-846:6850	—	0.285	0.05	µg/L	1	—	—	—	GELC
WS	South Fork of Sandia Canyon at E122	South Fork of Sandia Canyon at E122	05/07/10	—	F	CS	CIO4	SW-846:6850	—	1.13	0.1	µg/L	2	—	J	PE12e	GELC

* — None.

**Table D-23
Sandia Surface Water Metals**

Field Matrix Code	Hdr 2	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM Aquatic Acute (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Scr Lvl	Ratio (Result/Screening Level)	NM Human Health Scr Lvl	Ratio (Result/Screening Level)	NM WQCC WDLF HAB Scr Lvl	Ratio (Result/Screening Level)
WS	E121	Sandia right fork at Power Plant	05/07/10	Cu	F	CS	—*	—	4.95	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	—	—	9	0.55	—	—	—	—	—	—
WS	South Fork of Sandia Canyon at E122	South Fork of Sandia Canyon at E122	05/07/10	As	F	CS	—	—	9.39	1.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	—	—	—	—	—	9	1.04	—	—	
WS	South Fork of Sandia Canyon at E122	South Fork of Sandia Canyon at E122	05/07/10	Cu	F	CS	—	—	9.09	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	13.4	0.68	—	—	9	1.01	—	—	—	—	—	
WS	South Fork of Sandia Canyon at E122	South Fork of Sandia Canyon at E122	05/07/10	Se	UF	CS	—	—	15.3	1	µg/L	GELC	—	—	—	SW-846:6020	—	—	20	0.77	—	—	5	3.06	—	—	5	3.06

* — None.

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

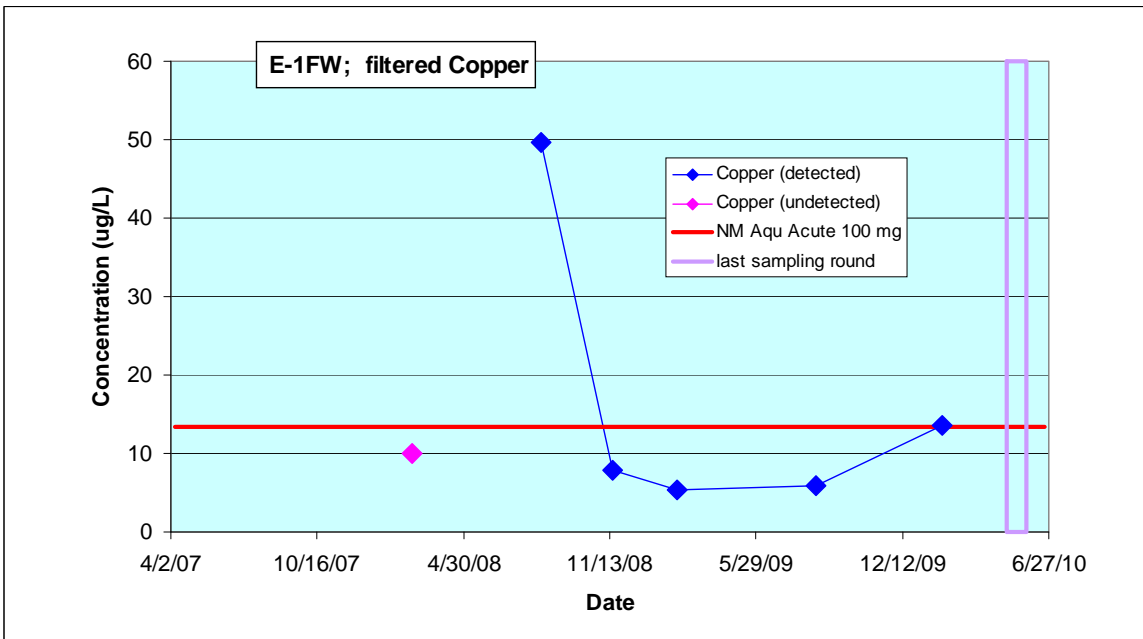
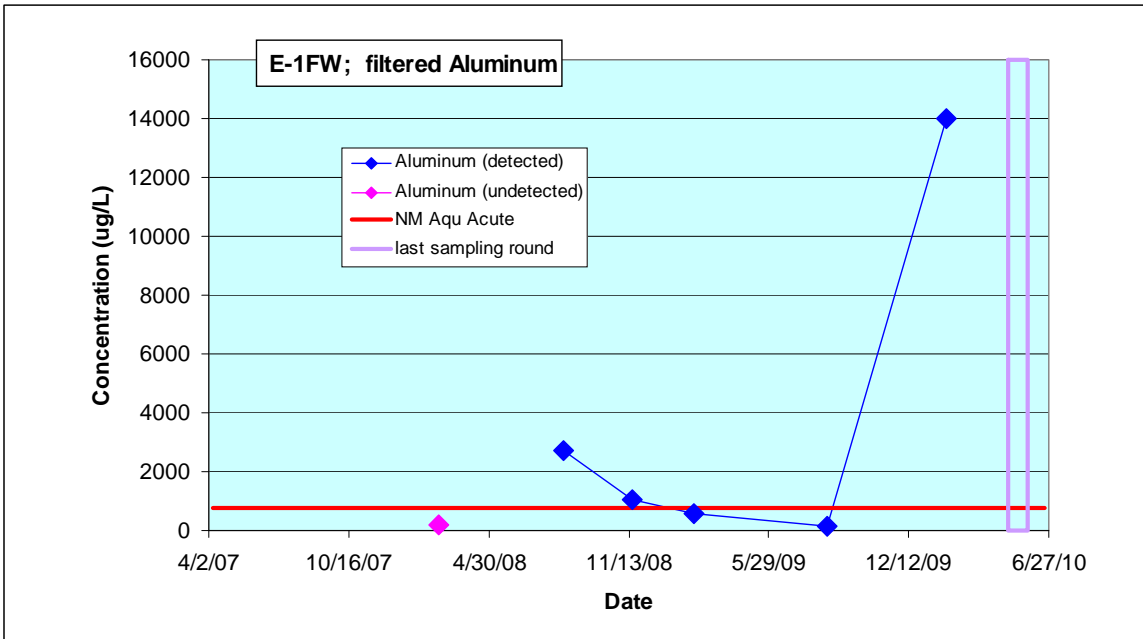
Field Matrix Code	Hdr 2	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Human Health Scr Lvl	Ratio (Result/Screening Level)
WS	E121	Sandia right fork at Power Plant	05/07/10	FTB	UF	CS	VOA	Methylene Chloride	75-09-2	—*	3.02	3	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	5900	—
WS	E121	Sandia right fork at Power Plant	05/07/10	—	UF	CS	VOA	Bromodichloromethane	75-27-4	—	7.07	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	170	0.04
WS	E121	Sandia right fork at Power Plant	05/07/10	—	UF	CS	VOA	Chlorodibromomethane	124-48-1	—	2.95	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	130	0.02
WS	E121	Sandia right fork at Power Plant	05/07/10	—	UF	CS	VOA	Chloroform	67-66-3	—	7.45	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	4700	—

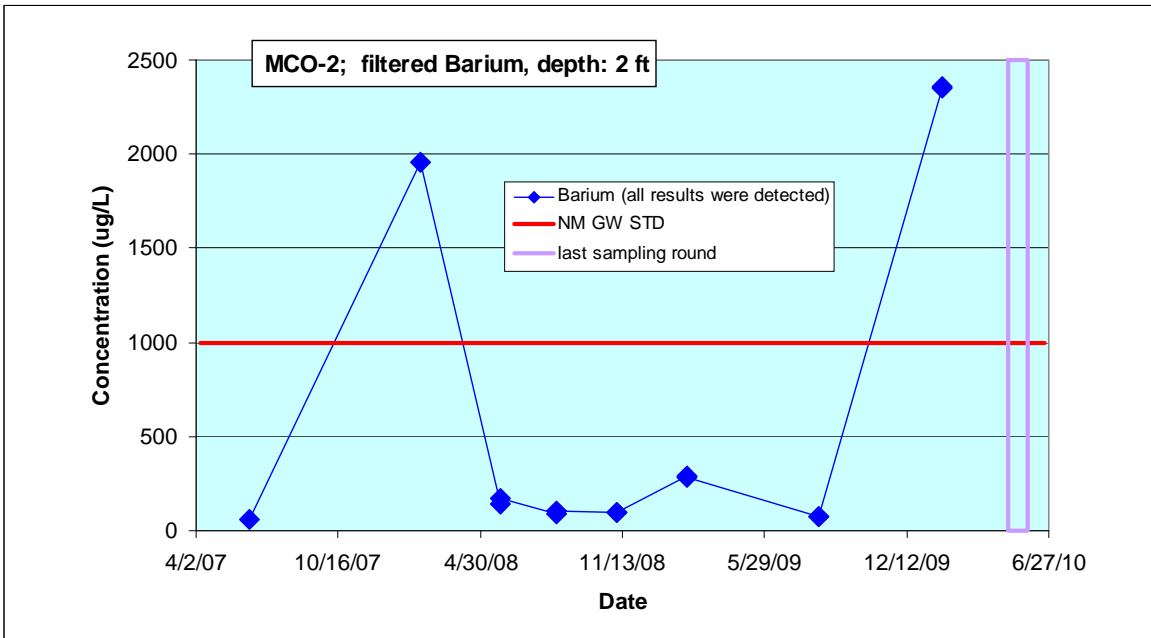
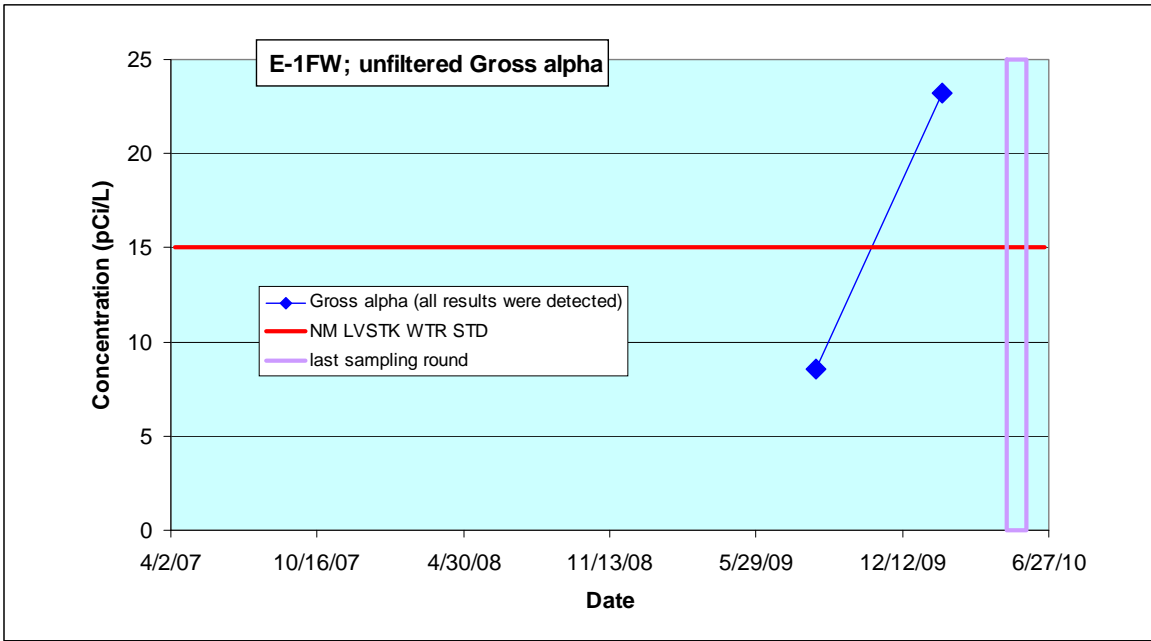
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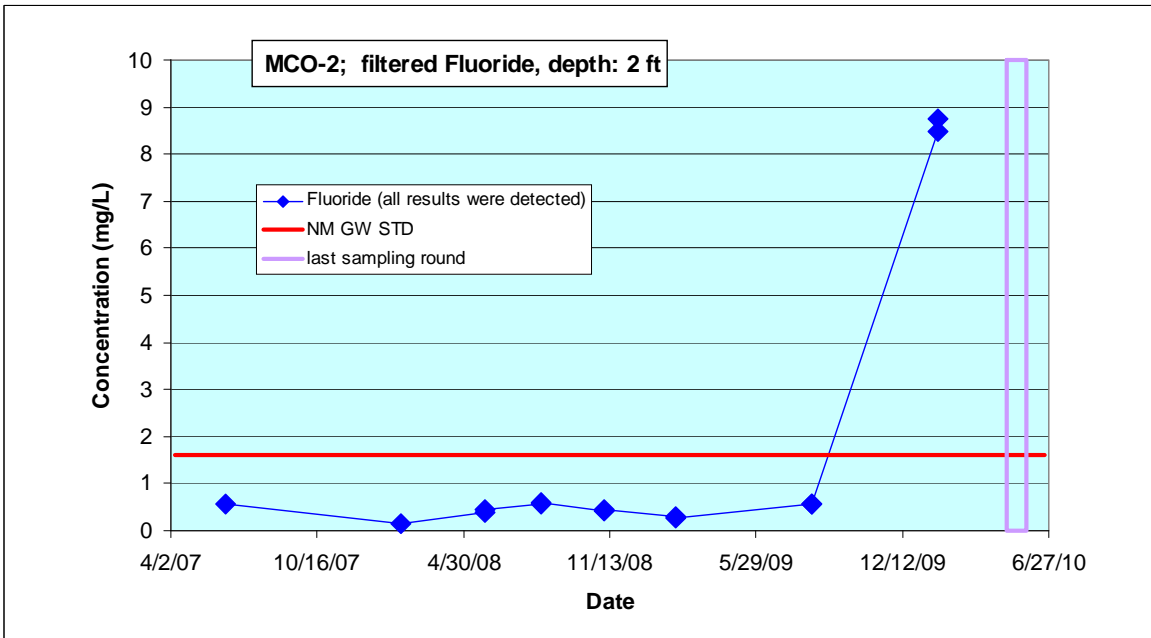
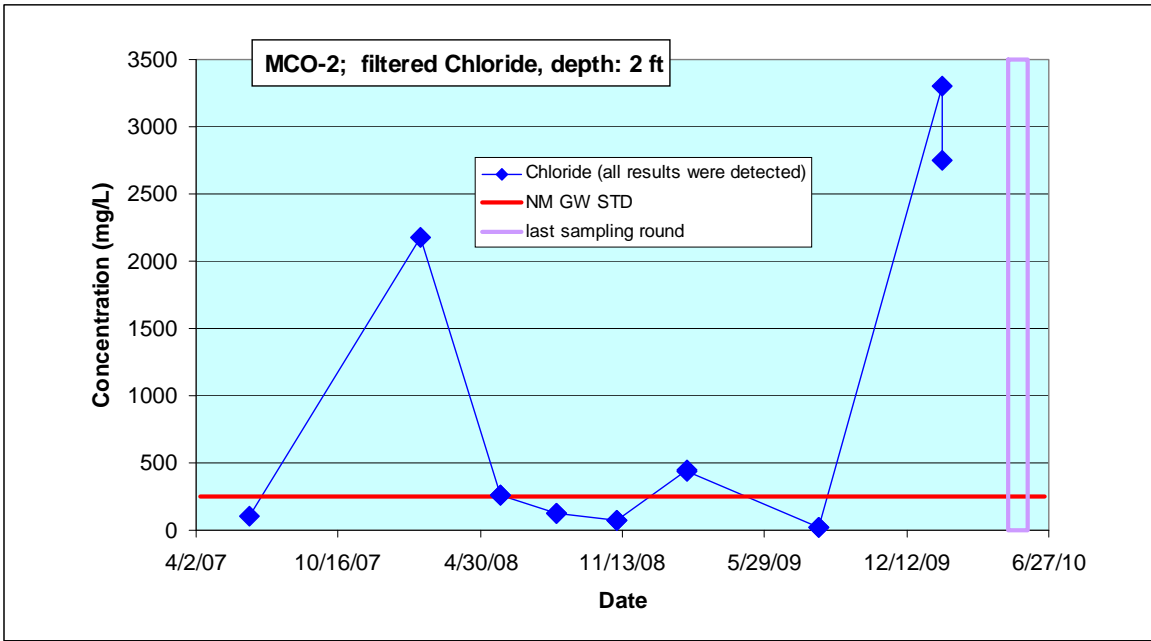
Appendix E

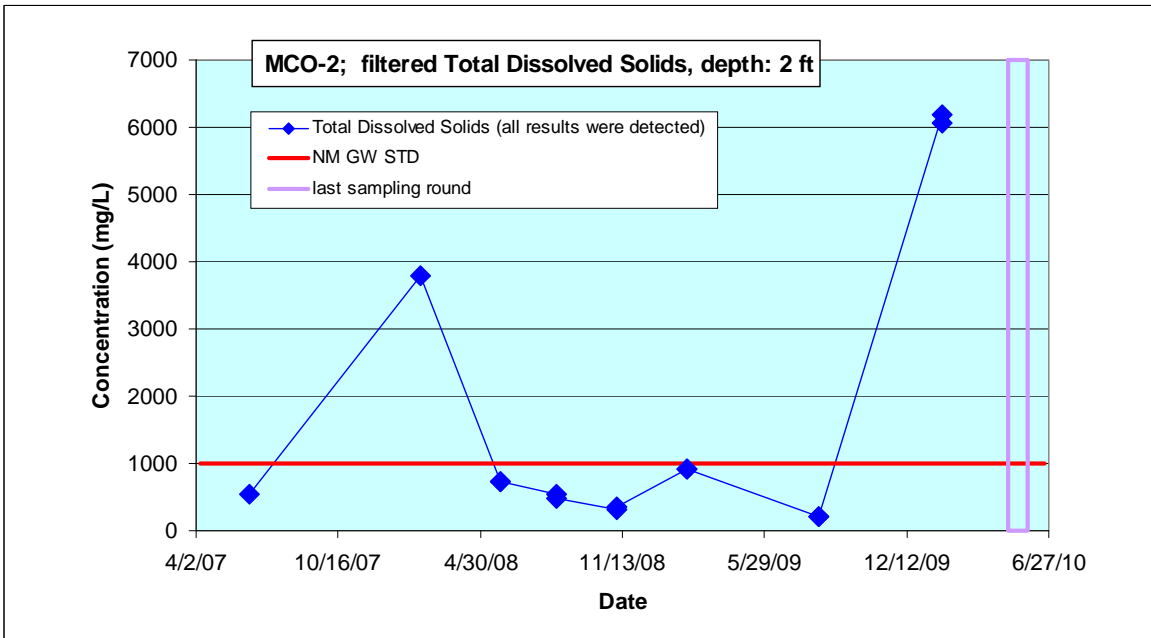
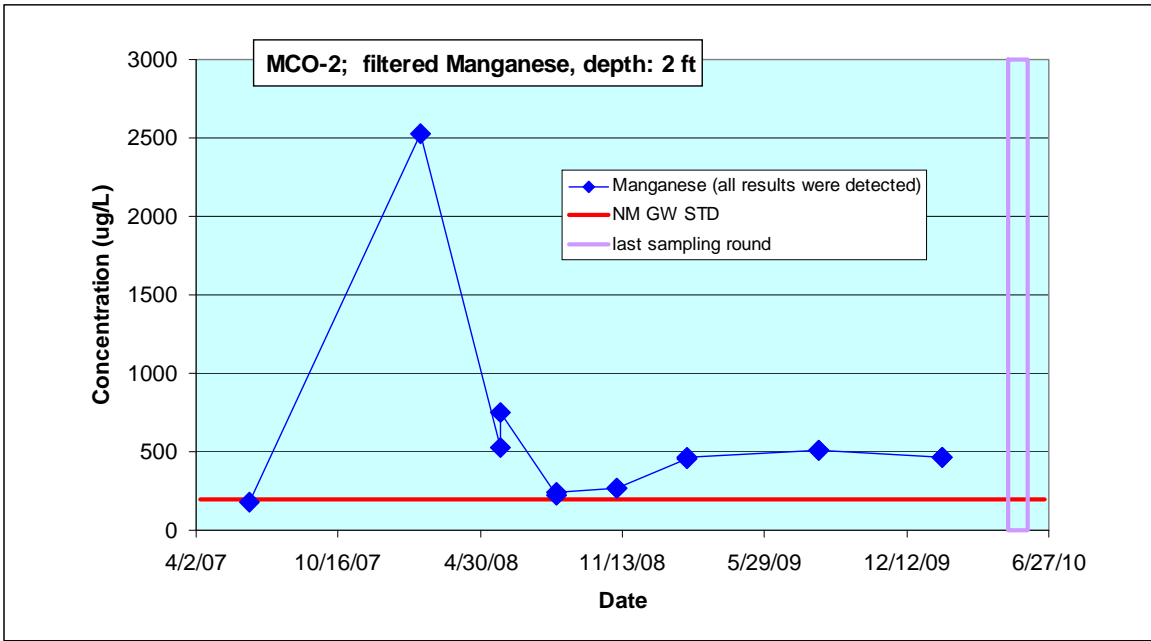
*Analytical Chemistry Graphs of
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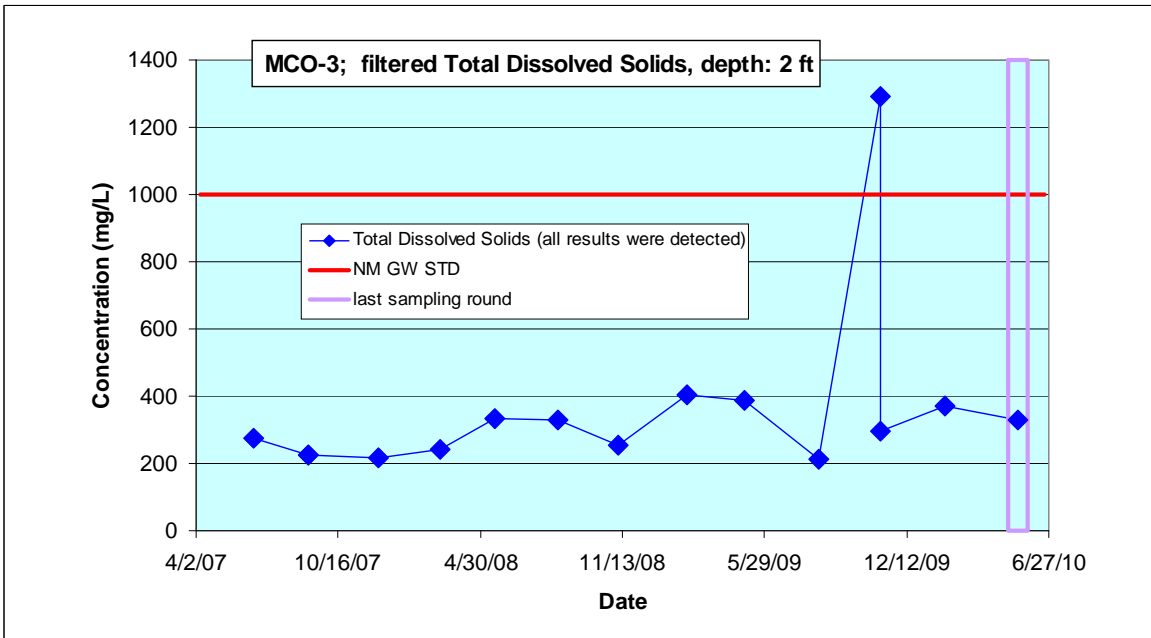
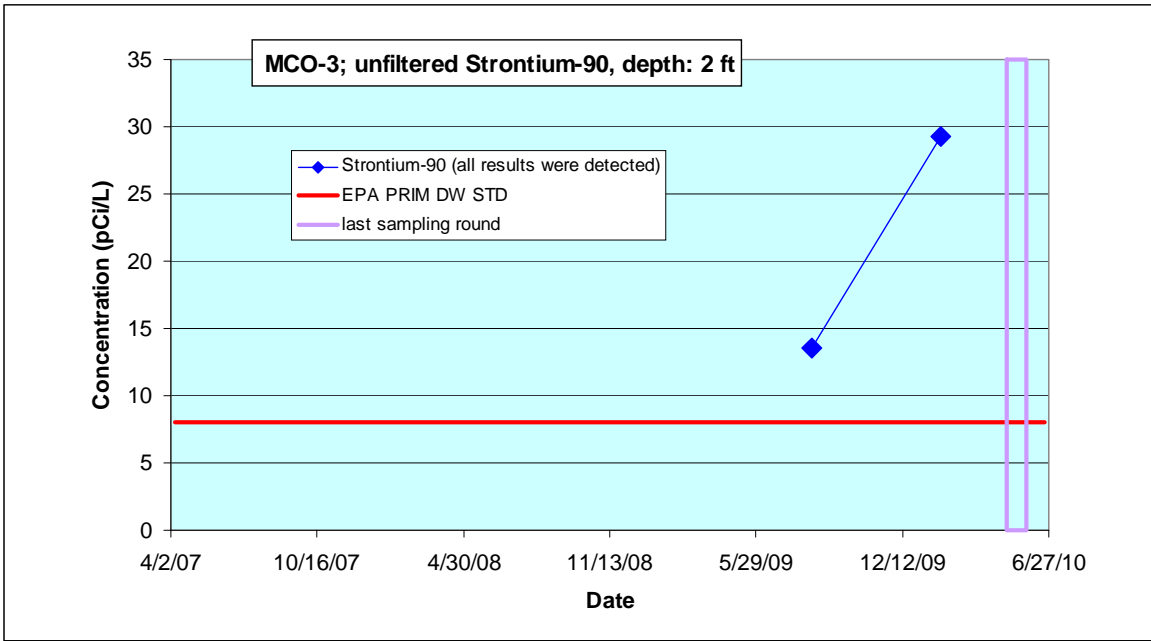
E-1 MORTANDAD WATERSHED

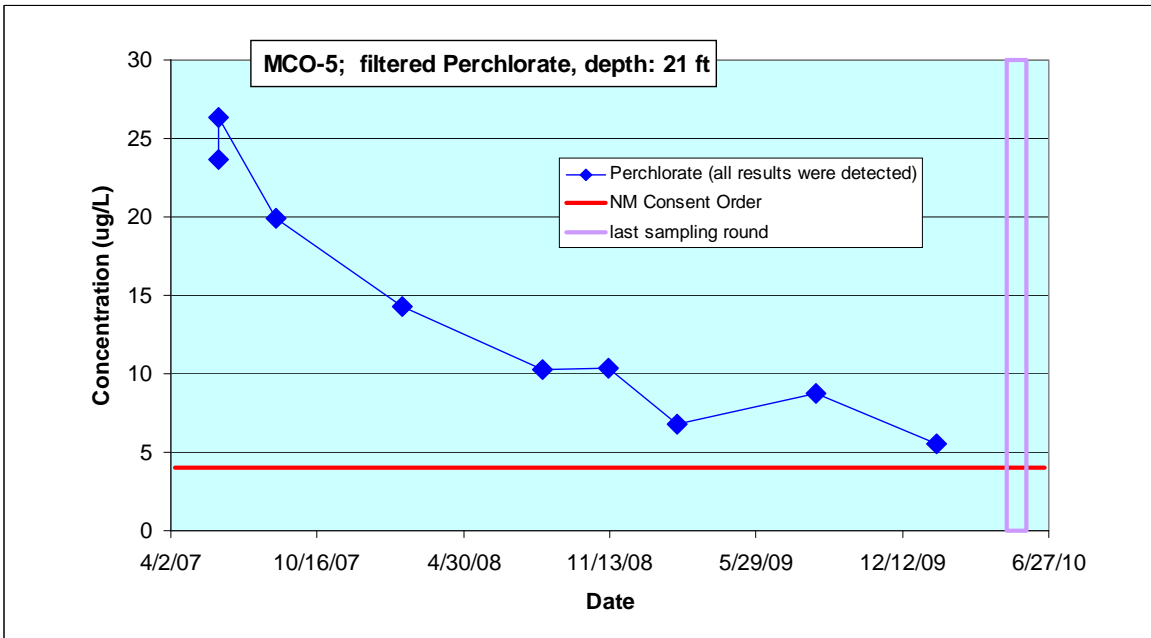
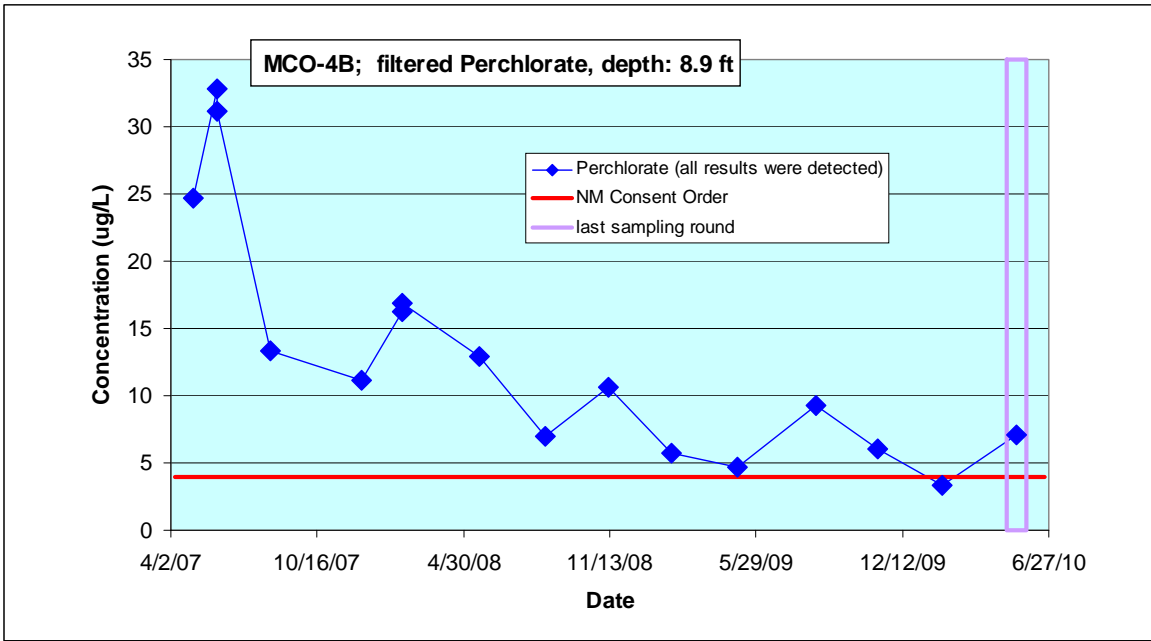


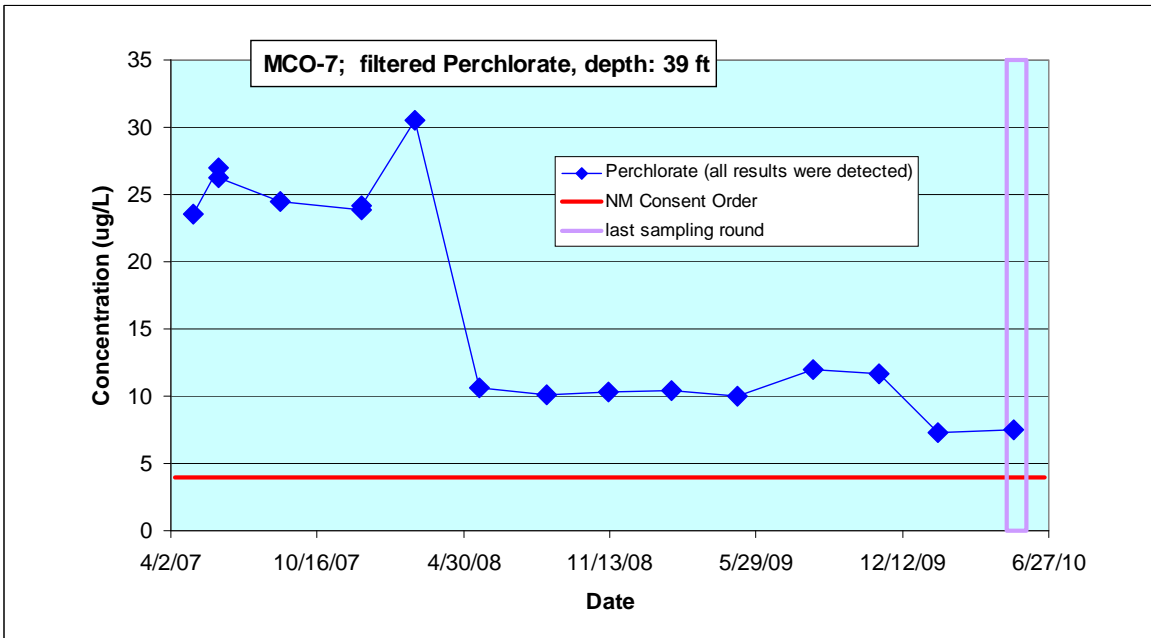
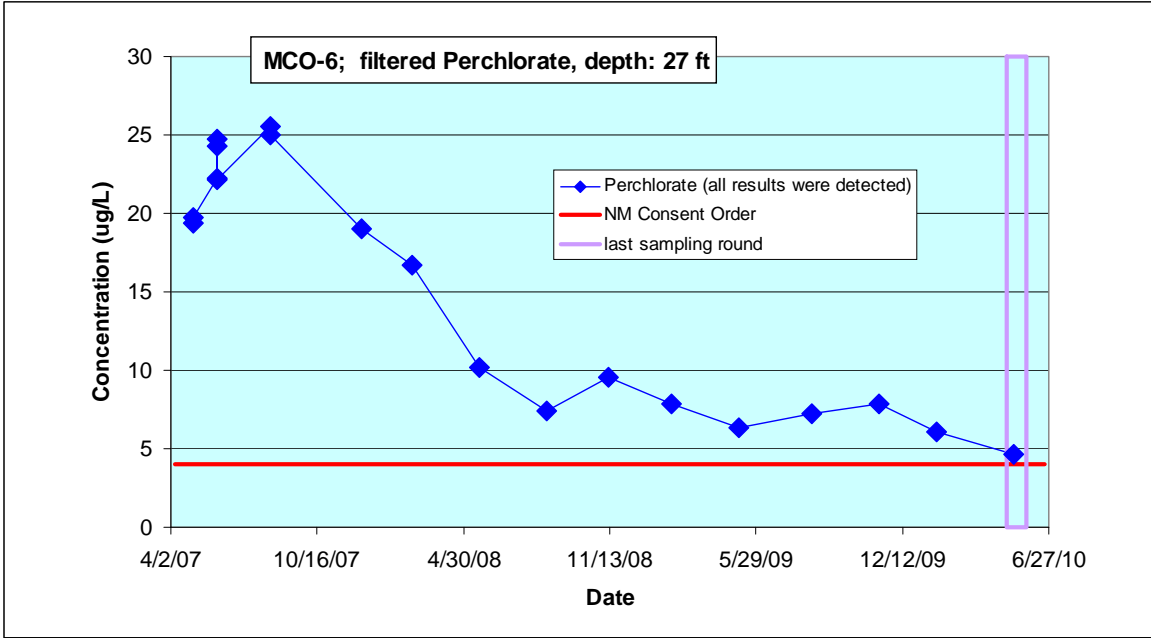


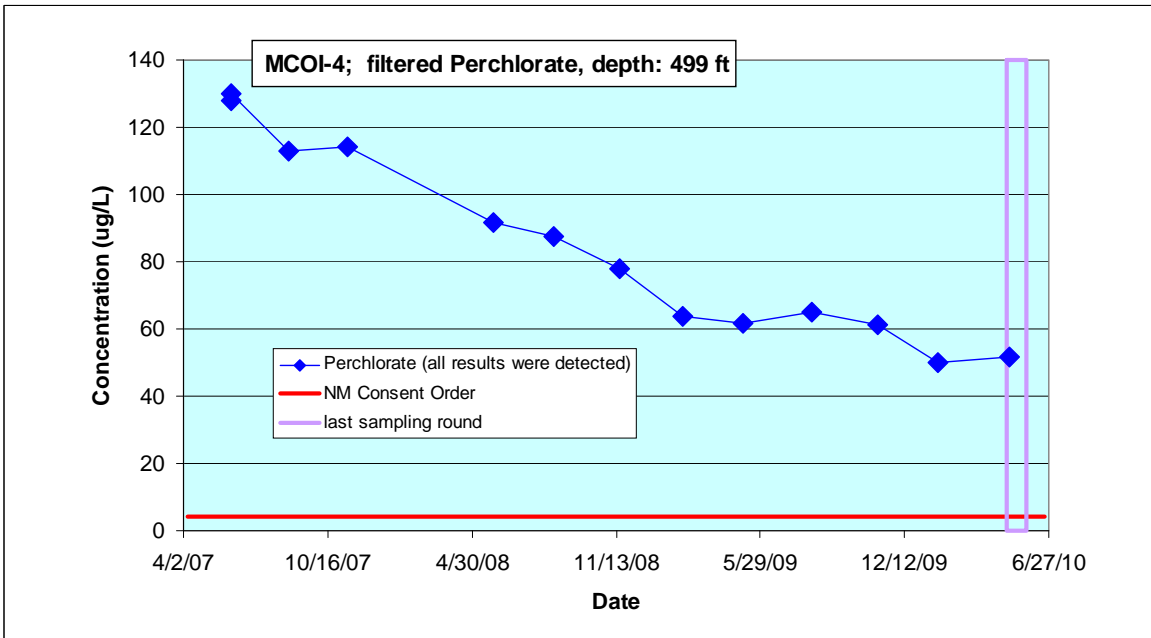
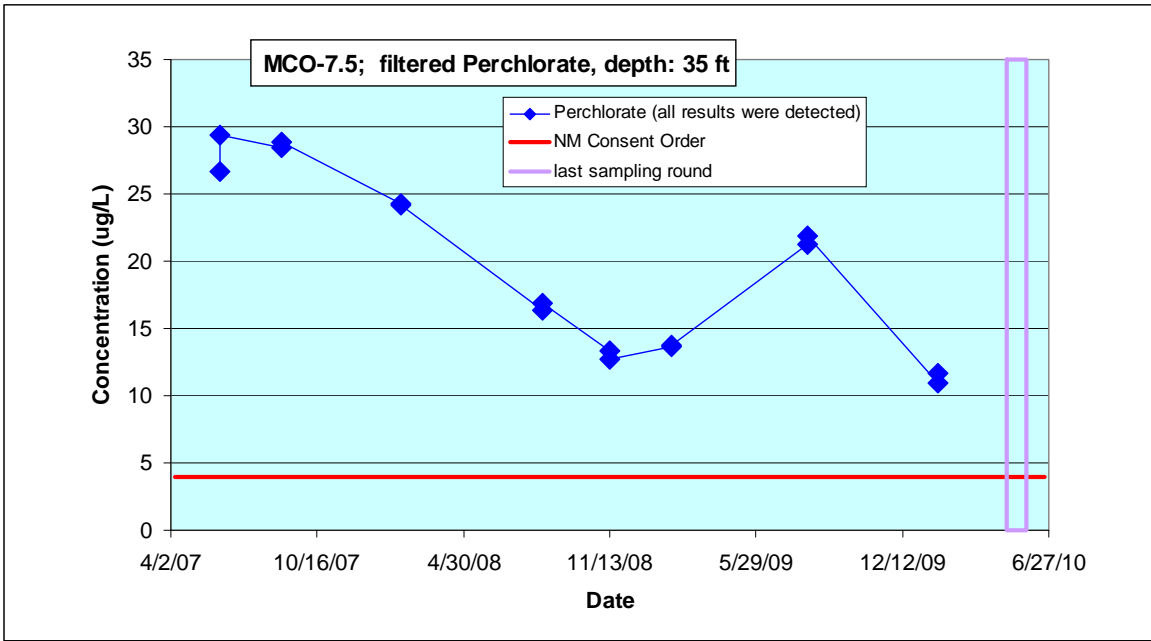


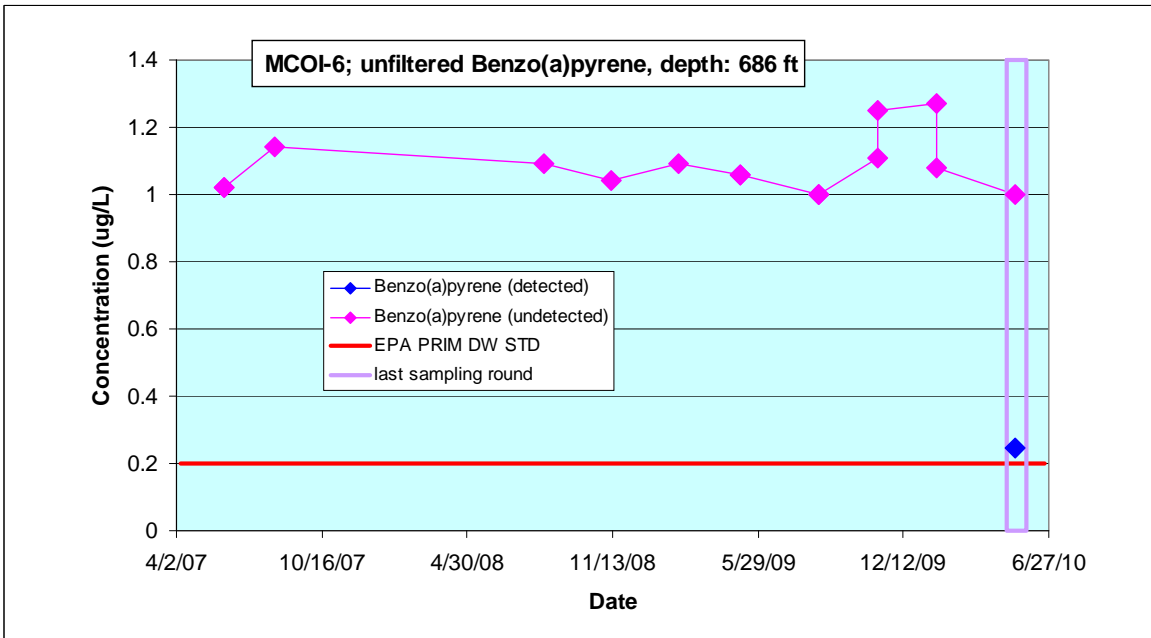
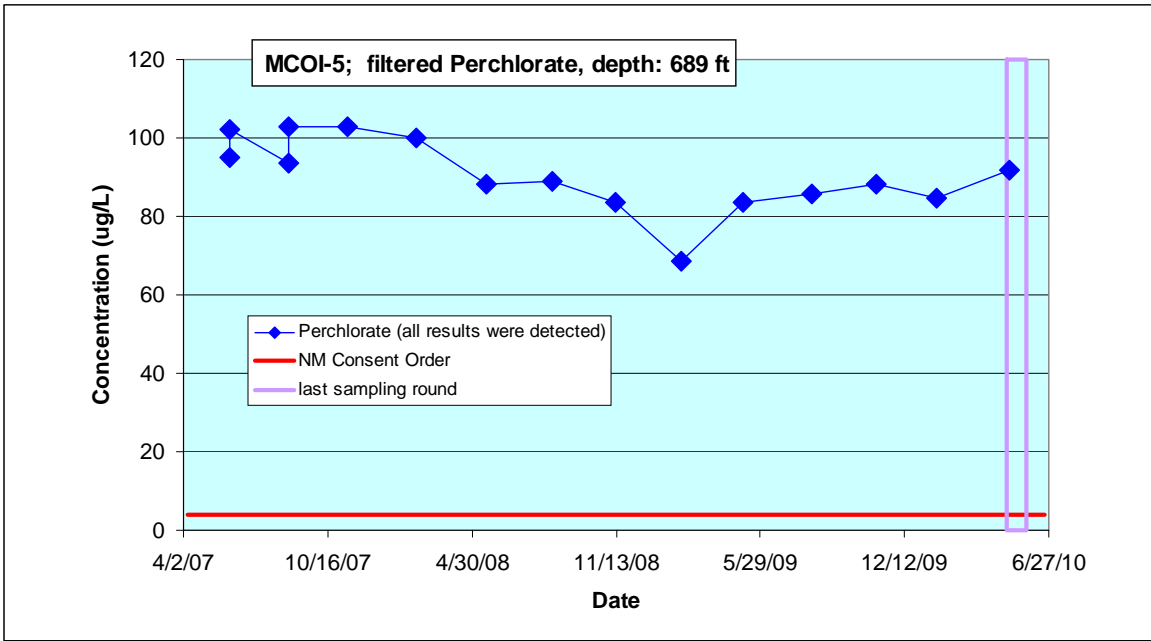


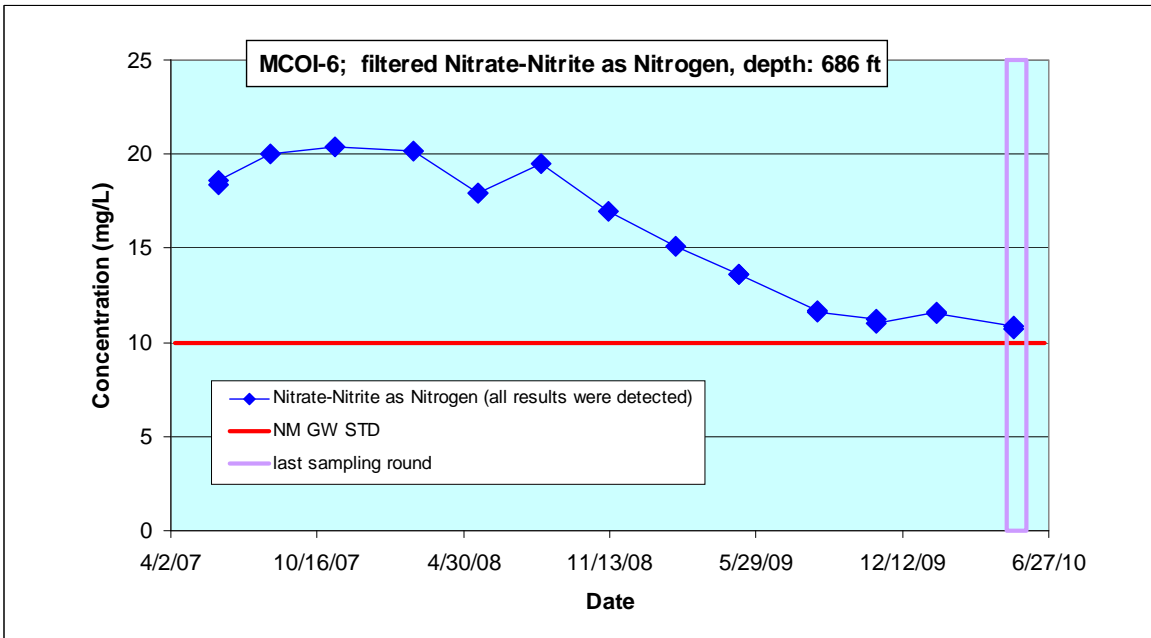
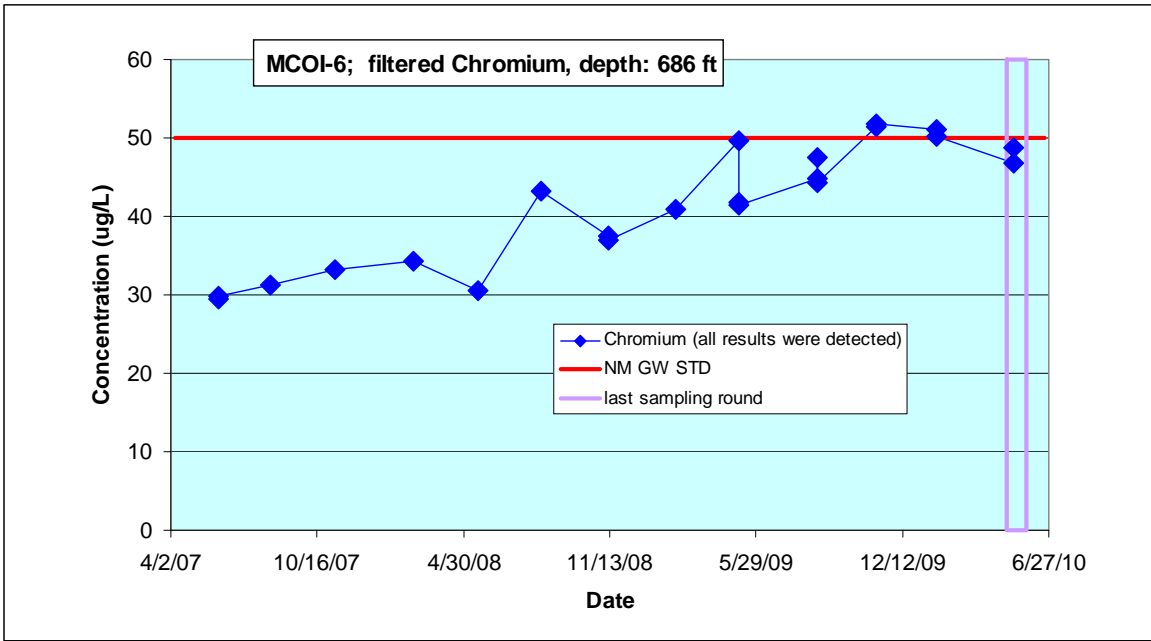


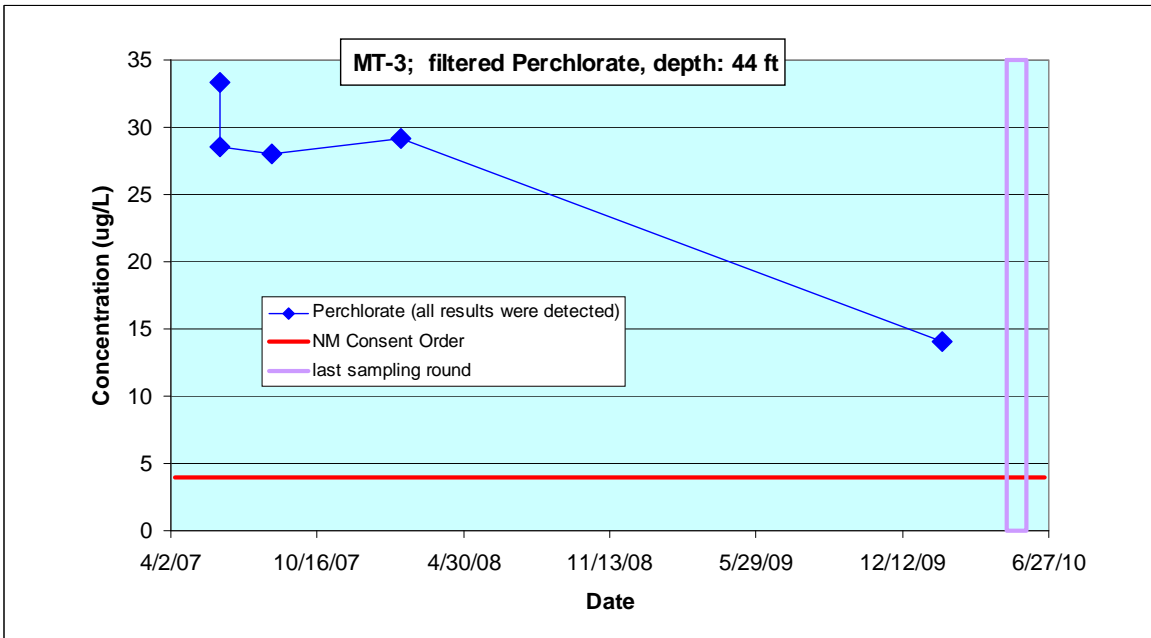
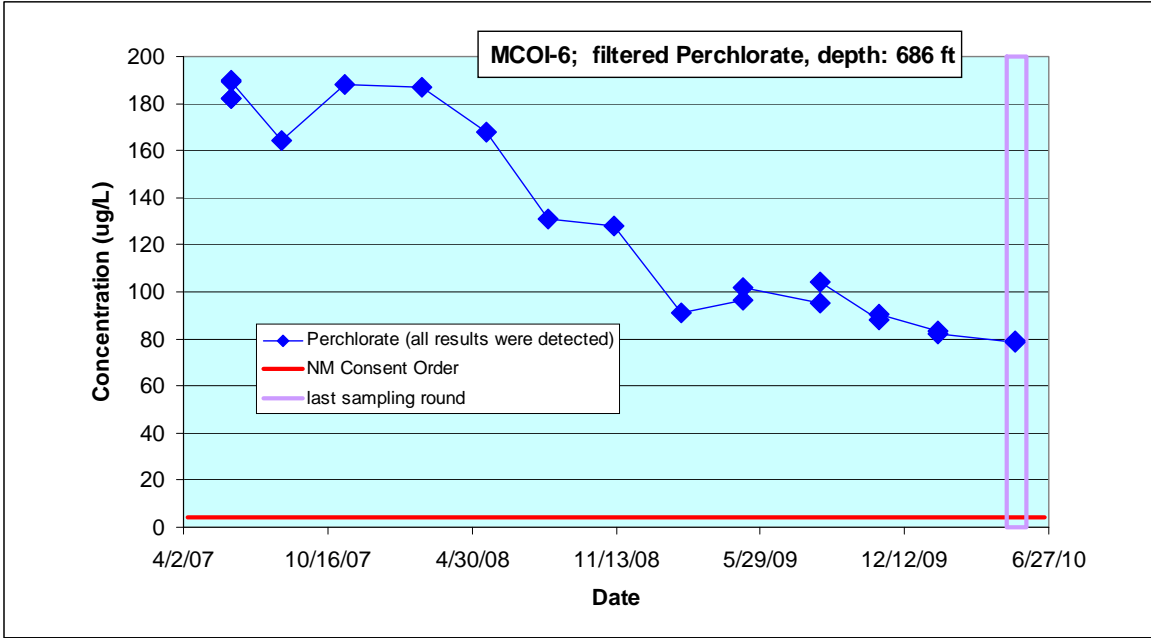


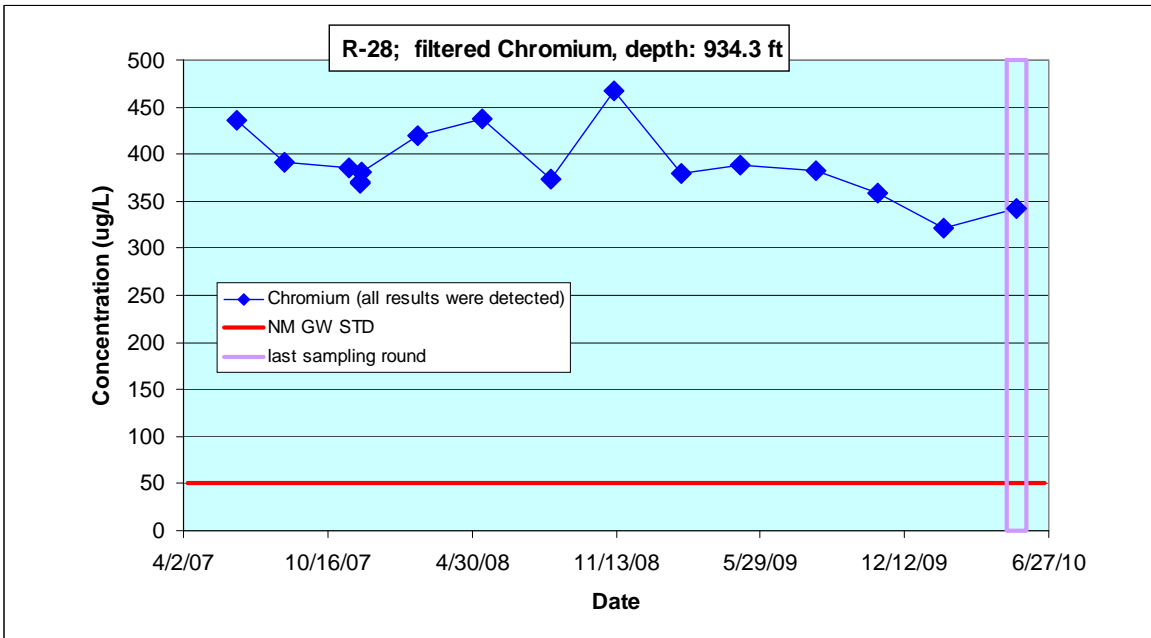
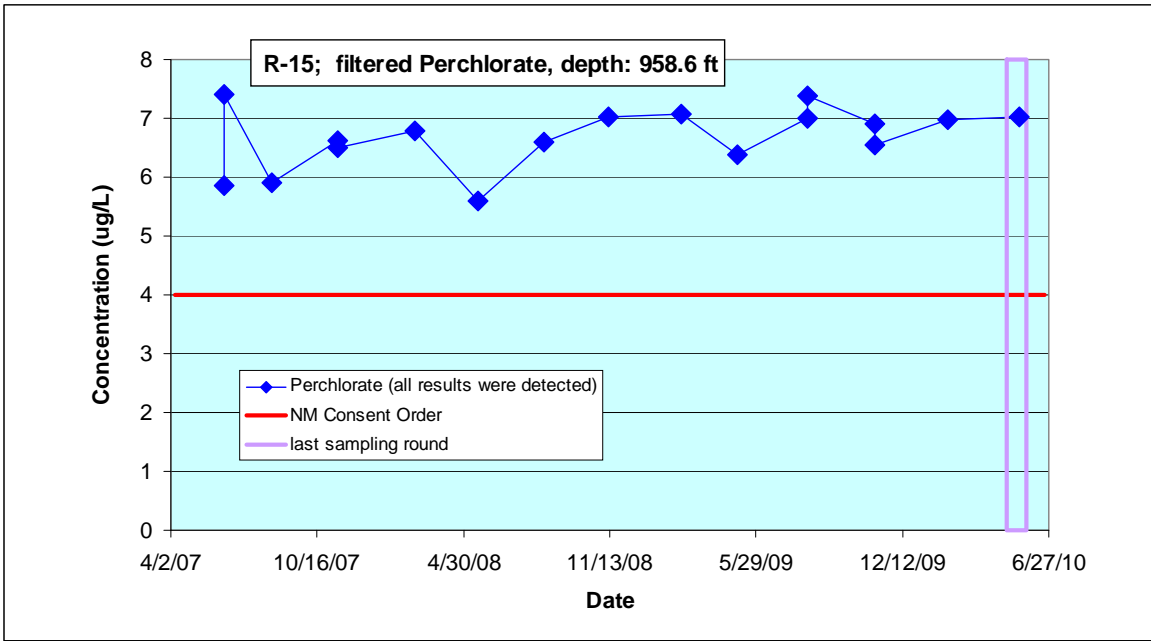


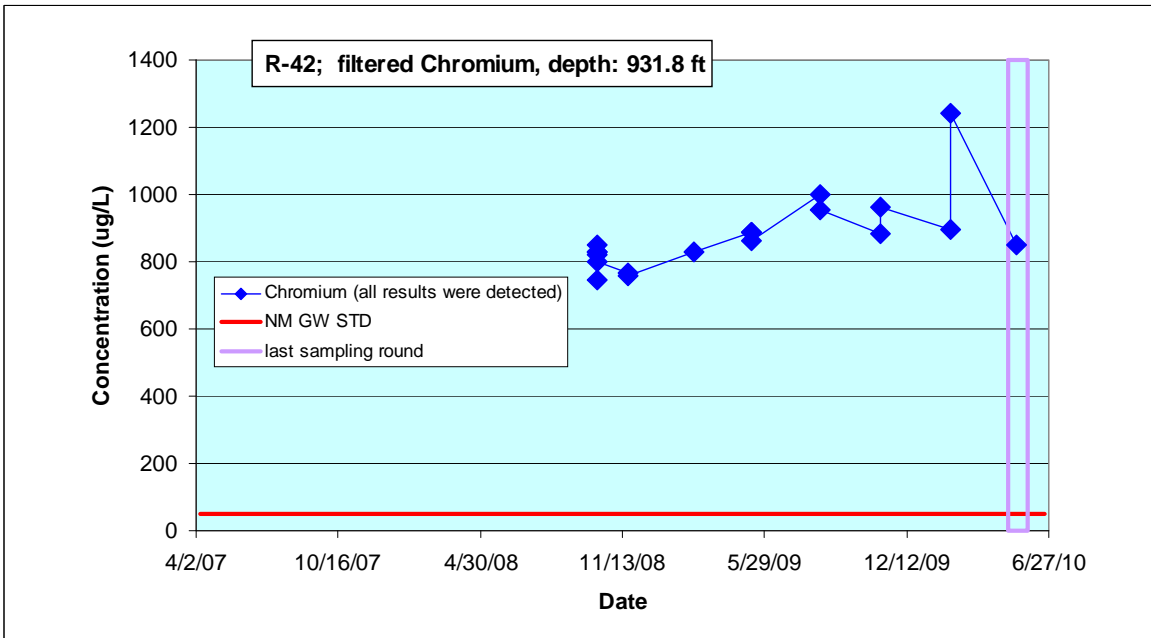
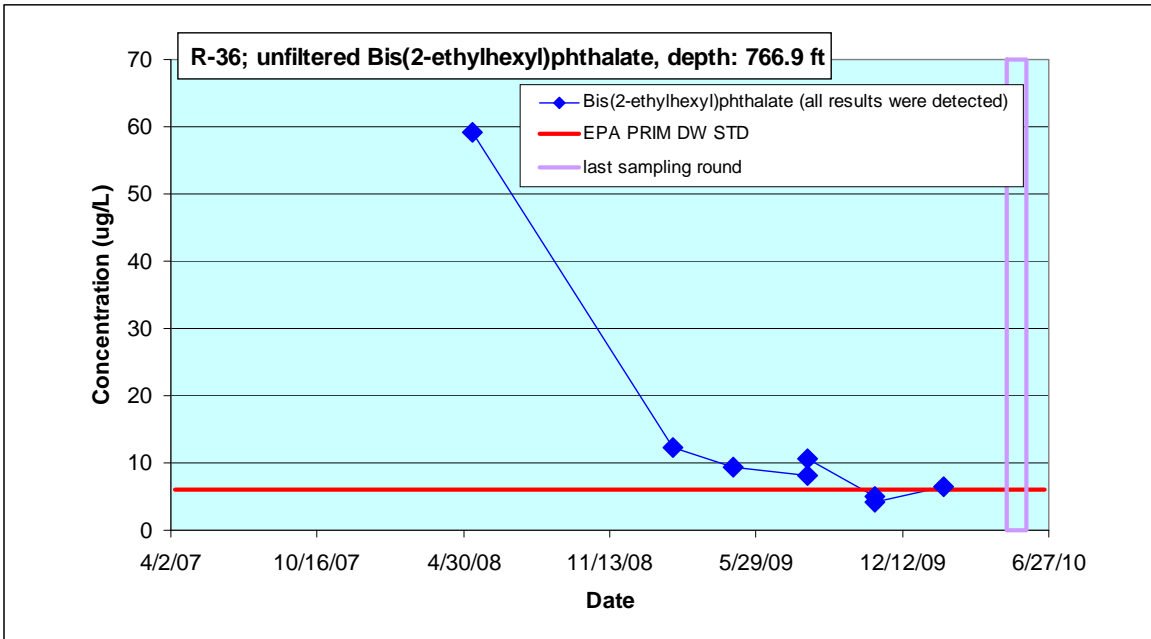


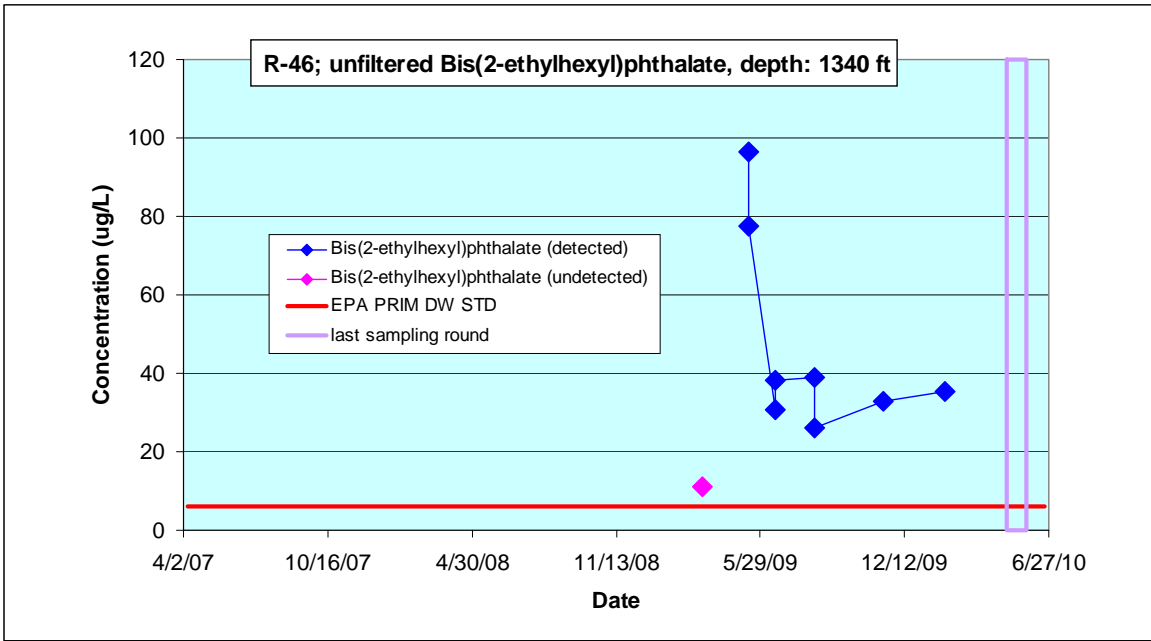




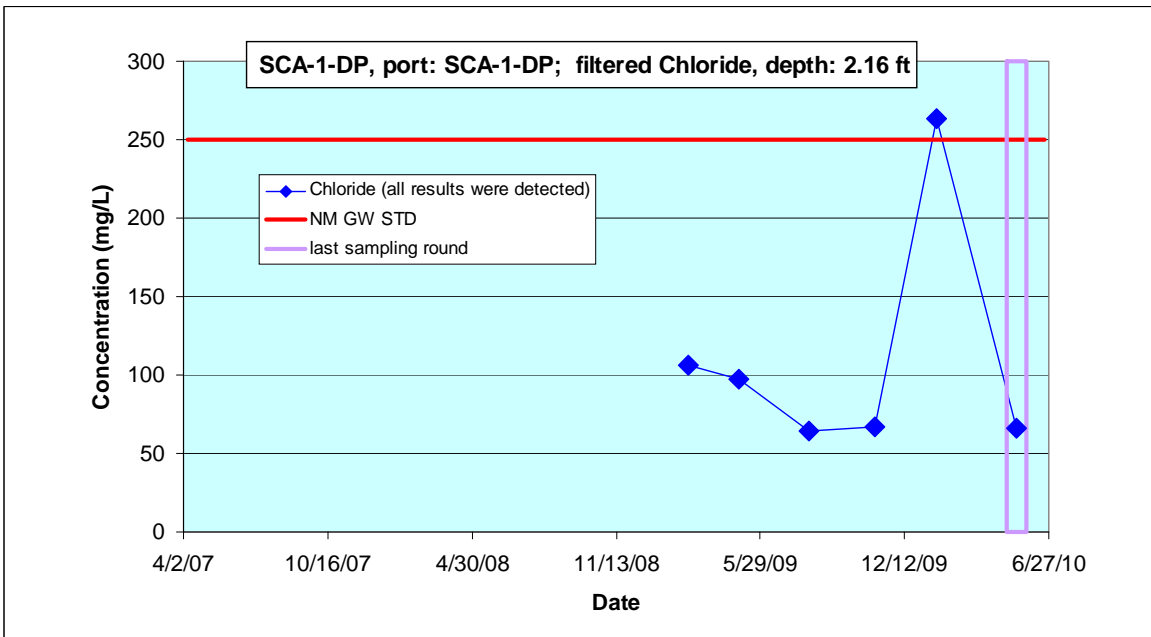
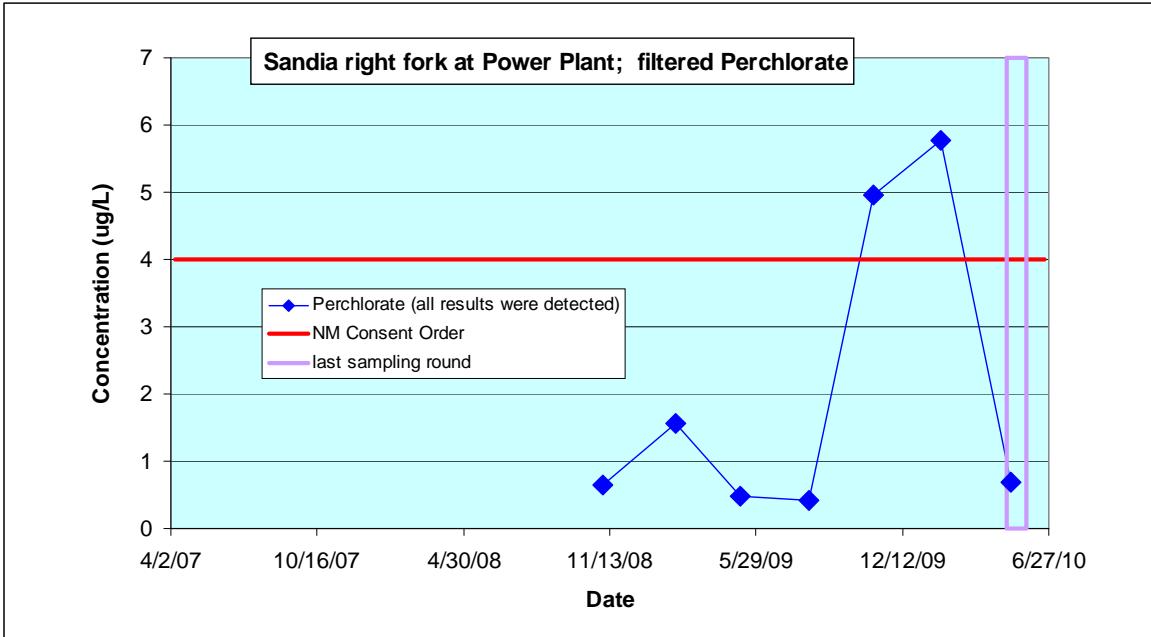


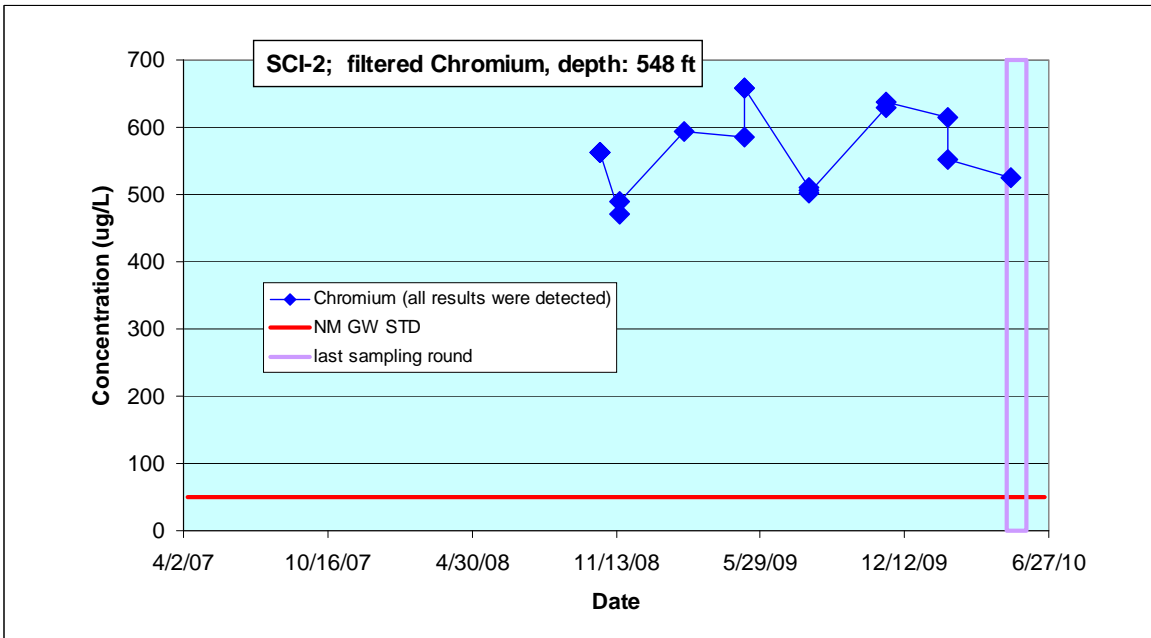
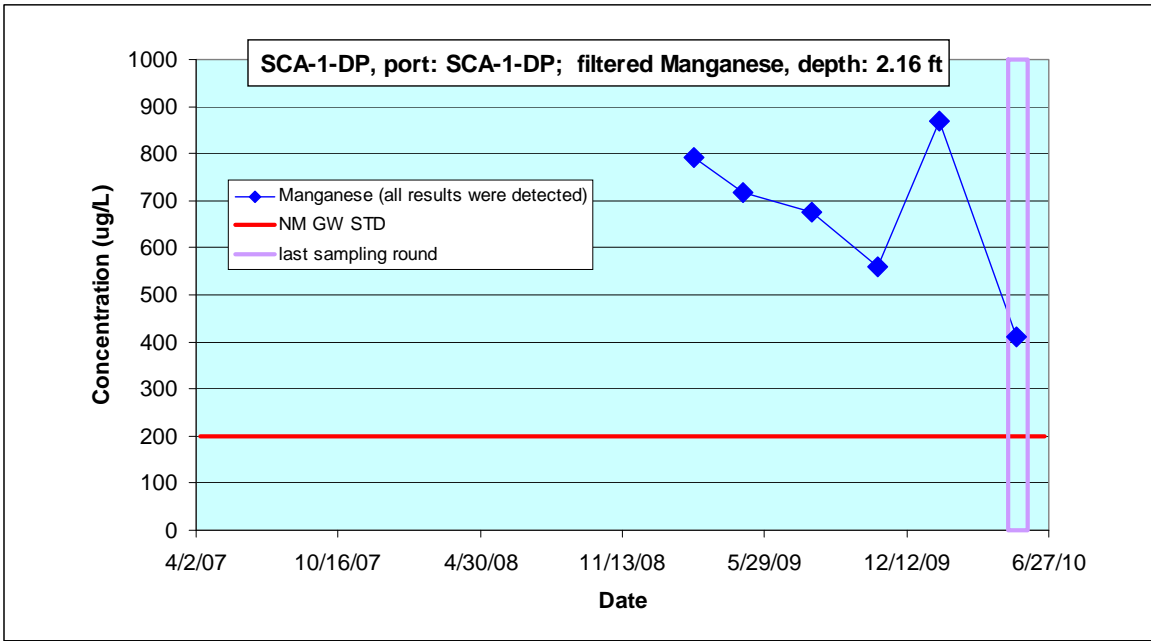


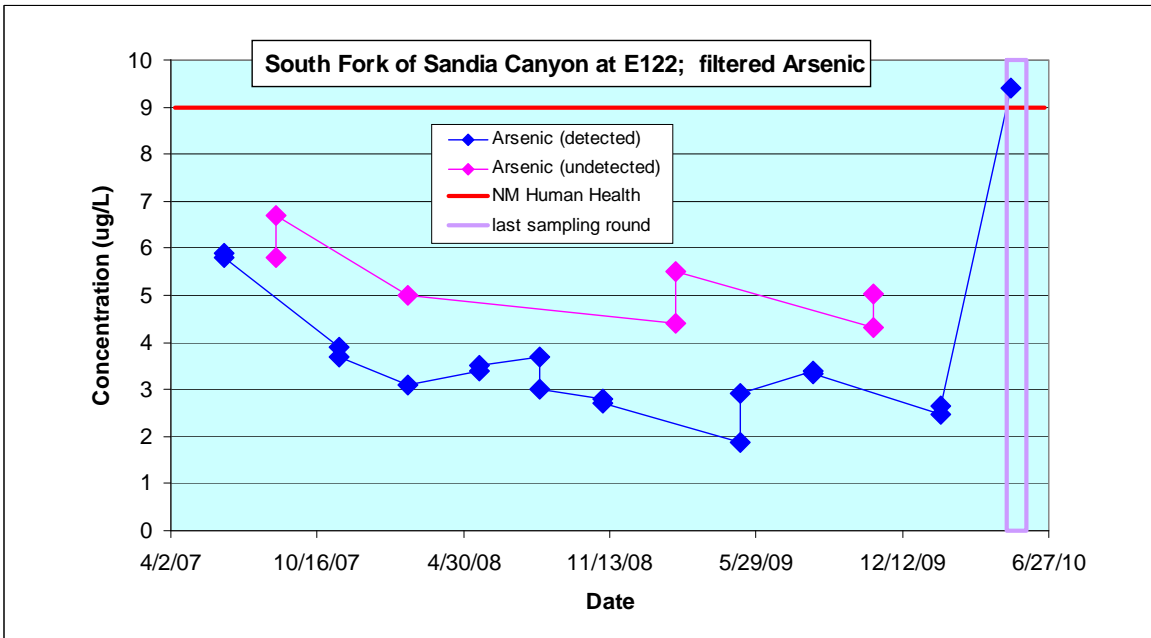
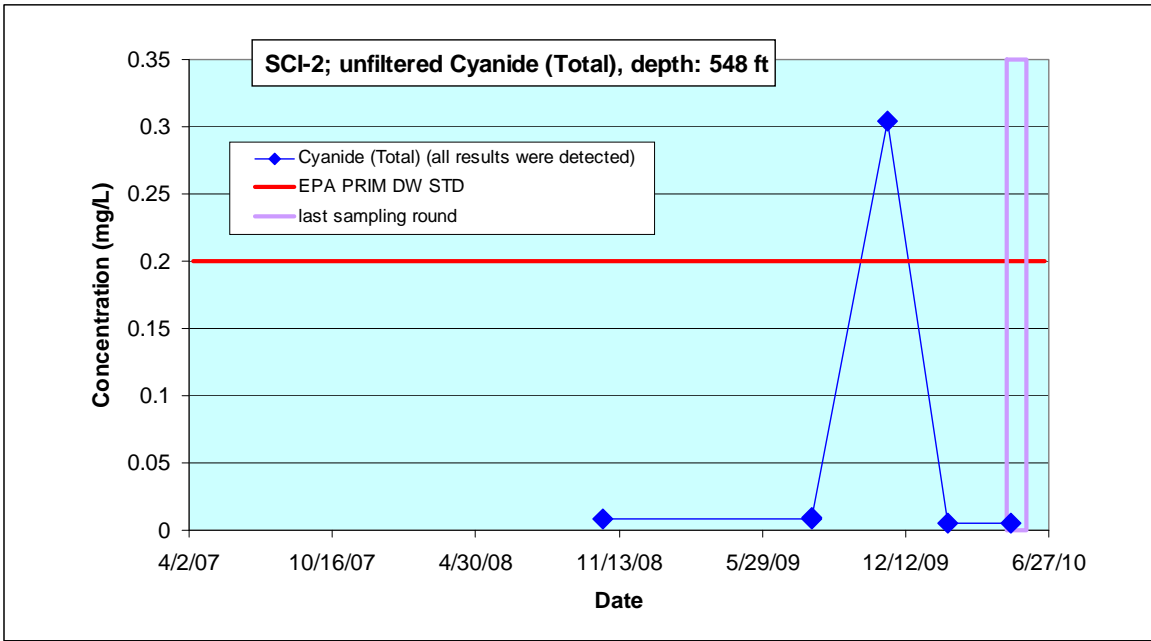


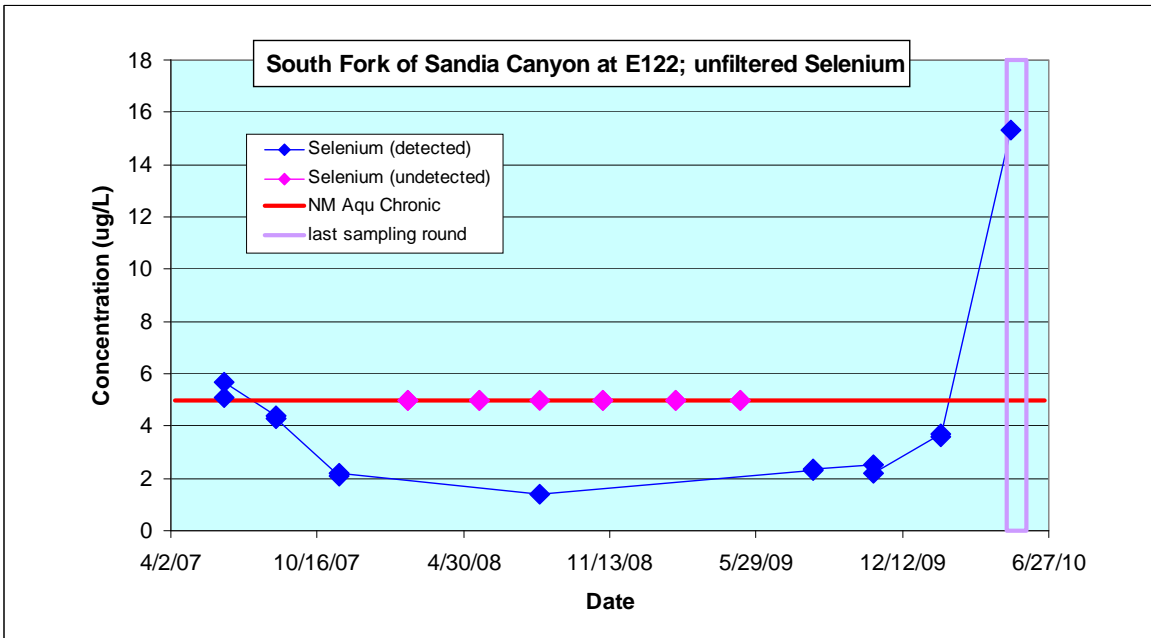
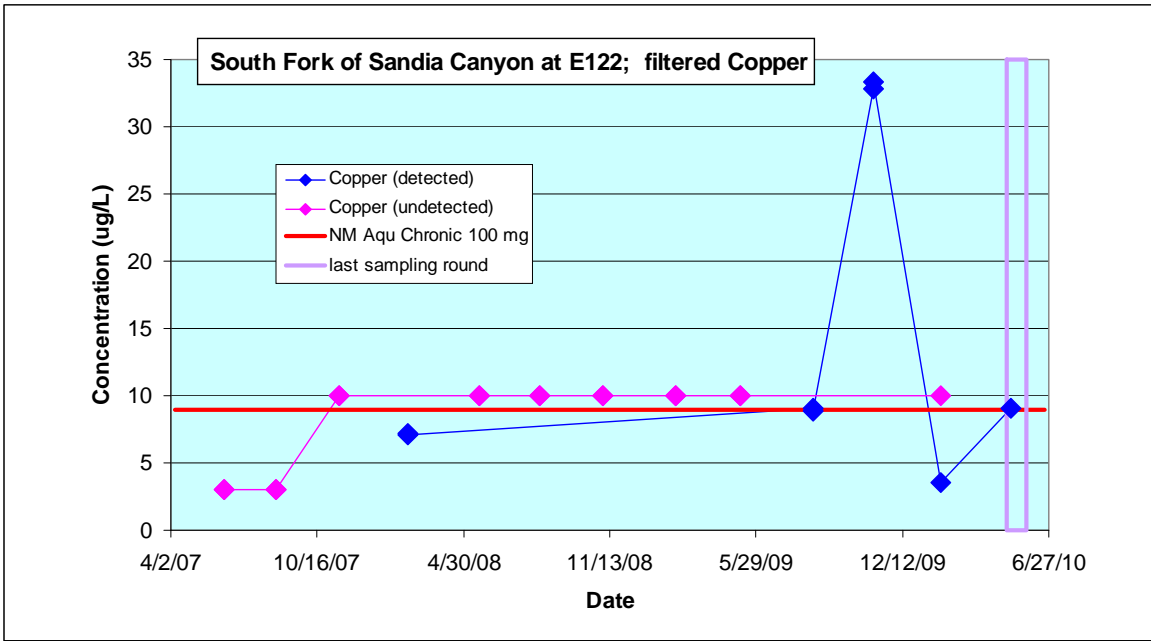


E-2 SANDIA WATERSHED









Appendix F

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

F-1 MORTANDAD WATERSHED

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3002	CAMO-10-16708	VOA ^a	GELC	5/3/2010	TS-1W	— ^b
10-3002	CAMO-10-16710	GENINORG ^c	GELC	5/3/2010	TS-1W	—
10-3002	CAMO-10-16710	SVOA ^d	GELC	5/3/2010	TS-1W	—
10-3002	CAMO-10-16710	VOA	GELC	5/3/2010	TS-1W	—
10-3002	CAMO-10-16752	GENINORG	GELC	5/3/2010	R-14	1200.6
10-3002	CAMO-10-16752	VOA	GELC	5/3/2010	R-14	1200.6
10-3002	CAMO-10-16753	VOA	GELC	5/3/2010	R-14	1200.6
10-3003	CAMO-10-16709	GENINORG	GELC	5/3/2010	TS-1W	—
10-3003	CAMO-10-16709	METALS	GELC	5/3/2010	TS-1W	—
10-3003	CAMO-10-16710	GENINORG	GELC	5/3/2010	TS-1W	—
10-3003	CAMO-10-16710	METALS	GELC	5/3/2010	TS-1W	—
10-3003	CAMO-10-16710	RAD ^e	GELC	5/3/2010	TS-1W	—
10-3003	CAMO-10-16752	GENINORG	GELC	5/3/2010	R-14	1200.6
10-3003	CAMO-10-16752	METALS	GELC	5/3/2010	R-14	1200.6
10-3003	CAMO-10-16754	GENINORG	GELC	5/3/2010	R-14	1200.6
10-3003	CAMO-10-16754	METALS	GELC	5/3/2010	R-14	1200.6
10-3006	CAMO-10-16735	GENINORG	GELC	5/3/2010	MCOI-5	689
10-3006	CAMO-10-16735	SVOA	GELC	5/3/2010	MCOI-5	689
10-3006	CAMO-10-16739	GENINORG	GELC	5/3/2010	R-1	1031.1
10-3006	CAMO-10-16739	VOA	GELC	5/3/2010	R-1	1031.1
10-3006	CAMO-10-16745	VOA	GELC	5/3/2010	R-1	1031.1
10-3007	CAMO-10-16734	GENINORG	GELC	5/3/2010	MCOI-5	689
10-3007	CAMO-10-16734	METALS	GELC	5/3/2010	MCOI-5	689
10-3007	CAMO-10-16735	GENINORG	GELC	5/3/2010	MCOI-5	689
10-3007	CAMO-10-16735	METALS	GELC	5/3/2010	MCOI-5	689
10-3007	CAMO-10-16735	RAD	GELC	5/3/2010	MCOI-5	689
10-3007	CAMO-10-16739	GENINORG	GELC	5/3/2010	R-1	1031.1
10-3007	CAMO-10-16739	METALS	GELC	5/3/2010	R-1	1031.1
10-3007	CAMO-10-16740	GENINORG	GELC	5/3/2010	R-1	1031.1
10-3007	CAMO-10-16740	METALS	GELC	5/3/2010	R-1	1031.1
10-3015	CAMO-10-16855	HEXP ^f	STSL	5/4/2010	R-16	863.4
10-3016	CAMO-10-16710	DIOX/FUR ^g	CFA	5/3/2010	TS-1W	—
10-3016	CAMO-10-16855	DIOX/FUR	CFA	5/4/2010	R-16	863.4
10-3017	CAMO-10-16855	GENINORG	GELC	5/4/2010	R-16	863.4
10-3017	CAMO-10-16855	HEXP	GELC	5/4/2010	R-16	863.4
10-3017	CAMO-10-16855	PEST/PCB ^h	GELC	5/4/2010	R-16	863.4
10-3017	CAMO-10-16855	SVOA	GELC	5/4/2010	R-16	863.4

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3017	CAMO-10-16855	VOA	GELC	5/4/2010	R-16	863.4
10-3017	CAMO-10-16856	VOA	GELC	5/4/2010	R-16	863.4
10-3019	CAMO-10-16855	GENINORG	GELC	5/4/2010	R-16	863.4
10-3019	CAMO-10-16855	METALS	GELC	5/4/2010	R-16	863.4
10-3019	CAMO-10-16855	RAD	GELC	5/4/2010	R-16	863.4
10-3019	CAMO-10-16857	GENINORG	GELC	5/4/2010	R-16	863.4
10-3019	CAMO-10-16857	METALS	GELC	5/4/2010	R-16	863.4
10-3020	CAMO-10-16840	RAD	ARSL	5/4/2010	R-44	895
10-3020	CAMO-10-16843	RAD	ARSL	5/4/2010	R-44	985.3
10-3020	CAMO-10-16847	RAD	ARSL	5/4/2010	R-44	985.3
10-3020	CAMO-10-16855	RAD	ARSL	5/4/2010	R-16	863.4
10-3022	CAMO-10-16840	HEXP	STSL	5/4/2010	R-44	895
10-3022	CAMO-10-16843	HEXP	STSL	5/4/2010	R-44	985.3
10-3023	CAMO-10-16726	GENINORG	GELC	5/4/2010	MCOI-4	499
10-3023	CAMO-10-16726	SVOA	GELC	5/4/2010	MCOI-4	499
10-3023	CAMO-10-16839	VOA	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16840	GENINORG	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16840	HEXP	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16840	PEST/PCB	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16840	SVOA	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16840	VOA	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16842	SVOA	GELC	5/4/2010	R-44	895
10-3023	CAMO-10-16843	GENINORG	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16843	HEXP	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16843	PEST/PCB	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16843	SVOA	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16843	VOA	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16845	VOA	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16847	GENINORG	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16847	SVOA	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16847	VOA	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16848	PEST/PCB	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16848	SVOA	GELC	5/4/2010	R-44	985.3
10-3023	CAMO-10-16848	VOA	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16726	GENINORG	GELC	5/4/2010	MCOI-4	499
10-3024	CAMO-10-16726	METALS	GELC	5/4/2010	MCOI-4	499
10-3024	CAMO-10-16727	GENINORG	GELC	5/4/2010	MCOI-4	499
10-3024	CAMO-10-16727	METALS	GELC	5/4/2010	MCOI-4	499
10-3024	CAMO-10-16840	GENINORG	GELC	5/4/2010	R-44	895
10-3024	CAMO-10-16840	METALS	GELC	5/4/2010	R-44	895
10-3024	CAMO-10-16841	GENINORG	GELC	5/4/2010	R-44	895

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3024	CAMO-10-16841	METALS	GELC	5/4/2010	R-44	895
10-3024	CAMO-10-16843	GENINORG	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16843	METALS	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16844	GENINORG	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16844	METALS	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16846	GENINORG	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16846	METALS	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16847	GENINORG	GELC	5/4/2010	R-44	985.3
10-3024	CAMO-10-16847	METALS	GELC	5/4/2010	R-44	985.3
10-3025	CAMO-10-16726	RAD	GELC	5/4/2010	MCOI-4	499
10-3025	CAMO-10-16840	RAD	GELC	5/4/2010	R-44	895
10-3025	CAMO-10-16843	RAD	GELC	5/4/2010	R-44	985.3
10-3025	CAMO-10-16847	RAD	GELC	5/4/2010	R-44	985.3
10-3076	CAMO-10-16786	GENINORG	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16786	METALS	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16787	GENINORG	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16787	VOA	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16788	VOA	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16812	GENINORG	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16812	VOA	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16813	VOA	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16814	GENINORG	GELC	5/6/2010	R-13	958.3
10-3076	CAMO-10-16814	METALS	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16786	GENINORG	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16786	METALS	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16787	GENINORG	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16787	METALS	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16812	GENINORG	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16812	METALS	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16814	GENINORG	GELC	5/6/2010	R-13	958.3
10-3077	CAMO-10-16814	METALS	GELC	5/6/2010	R-13	958.3
10-3097	CAMO-10-16830	RAD	GELC	5/7/2010	R-46	1340
10-3097	CAMO-10-16830	VOA	GELC	5/7/2010	R-46	1340
10-3097	CAMO-10-16831	VOA	GELC	5/7/2010	R-46	1340
10-3097	CAMO-10-16833	VOA	GELC	5/7/2010	R-16r	600
10-3097	CAMO-10-16835	VOA	GELC	5/7/2010	R-16r	600
10-3098	CAMO-10-16830	GENINORG	GELC	5/7/2010	R-46	1340
10-3098	CAMO-10-16830	METALS	GELC	5/7/2010	R-46	1340
10-3098	CAMO-10-16832	GENINORG	GELC	5/7/2010	R-46	1340
10-3098	CAMO-10-16832	METALS	GELC	5/7/2010	R-46	1340
10-3098	CAMO-10-16833	GENINORG	GELC	5/7/2010	R-16r	600

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3098	CAMO-10-16833	METALS	GELC	5/7/2010	R-16r	600
10-3098	CAMO-10-16834	GENINORG	GELC	5/7/2010	R-16r	600
10-3098	CAMO-10-16834	METALS	GELC	5/7/2010	R-16r	600
10-3102	CAMO-10-16851	GENINORG	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16851	METALS	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	GENINORG	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	HEXP	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	METALS	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	PEST/PCB	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	RAD	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	SVOA	GELC	5/7/2010	R-16	1237
10-3102	CAMO-10-16852	VOA	GELC	5/7/2010	R-16	1237
10-3103	CAMO-10-16852	DIOX/FUR	CFA	5/7/2010	R-16	1237
10-3104	CAMO-10-16852	HEXP	STSL	5/7/2010	R-16	1237
10-3121	CAMO-10-16830	HEXP	STSL	5/7/2010	R-46	1340
10-3128	CAMO-10-16715	GENINORG	GELC	5/11/2010	MCO-6	27
10-3128	CAMO-10-16716	GENINORG	GELC	5/11/2010	MCO-6	27
10-3128	CAMO-10-16716	METALS	GELC	5/11/2010	MCO-6	27
10-3128	CAMO-10-16717	GENINORG	GELC	5/11/2010	MCO-7	39
10-3128	CAMO-10-16718	GENINORG	GELC	5/11/2010	MCO-7	39
10-3128	CAMO-10-16718	METALS	GELC	5/11/2010	MCO-7	39
10-3131	CAMO-10-16737	GENINORG	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16737	METALS	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16737	RAD	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16737	SVOA	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16738	GENINORG	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16738	METALS	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16981	GENINORG	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16981	METALS	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16981	RAD	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16981	SVOA	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16982	GENINORG	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16982	METALS	GELC	5/11/2010	MCOI-6	686
10-3131	CAMO-10-16983	SVOA	GELC	5/11/2010	MCOI-6	686
10-3156	CAMO-10-16815	VOA	GELC	5/12/2010	R-33	995.5
10-3156	CAMO-10-16816	GENINORG	GELC	5/12/2010	R-33	995.5
10-3156	CAMO-10-16816	VOA	GELC	5/12/2010	R-33	995.5
10-3156	CAMO-10-16818	GENINORG	GELC	5/12/2010	R-33	1112.4
10-3156	CAMO-10-16818	VOA	GELC	5/12/2010	R-33	1112.4
10-3156	CAMO-10-16819	VOA	GELC	5/12/2010	R-33	1112.4
10-3157	CAMO-10-16816	GENINORG	GELC	5/12/2010	R-33	995.5

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3157	CAMO-10-16816	METALS	GELC	5/12/2010	R-33	995.5
10-3157	CAMO-10-16816	RAD	GELC	5/12/2010	R-33	995.5
10-3157	CAMO-10-16817	GENINORG	GELC	5/12/2010	R-33	995.5
10-3157	CAMO-10-16817	METALS	GELC	5/12/2010	R-33	995.5
10-3157	CAMO-10-16818	GENINORG	GELC	5/12/2010	R-33	1112.4
10-3157	CAMO-10-16818	METALS	GELC	5/12/2010	R-33	1112.4
10-3157	CAMO-10-16818	RAD	GELC	5/12/2010	R-33	1112.4
10-3157	CAMO-10-16820	GENINORG	GELC	5/12/2010	R-33	1112.4
10-3157	CAMO-10-16820	METALS	GELC	5/12/2010	R-33	1112.4
10-3164	CAMO-10-16825	HEXP	STSL	5/13/2010	R-45	880
10-3165	CAMO-10-16824	GENINORG	GELC	5/13/2010	R-45	880
10-3165	CAMO-10-16824	METALS	GELC	5/13/2010	R-45	880
10-3165	CAMO-10-16825	GENINORG	GELC	5/13/2010	R-45	880
10-3165	CAMO-10-16825	METALS	GELC	5/13/2010	R-45	880
10-3165	CAMO-10-16825	RAD	GELC	5/13/2010	R-45	880
10-3165	CAMO-10-16825	VOA	GELC	5/13/2010	R-45	880
10-3165	CAMO-10-16826	VOA	GELC	5/13/2010	R-45	880
10-3174	CAMO-10-16822	HEXP	STSL	5/13/2010	R-42	931.8
10-3175	CAMO-10-16764	GENINORG	GELC	5/13/2010	R-28	934.3
10-3175	CAMO-10-16764	VOA	GELC	5/13/2010	R-28	934.3
10-3175	CAMO-10-16766	VOA	GELC	5/13/2010	R-28	934.3
10-3175	CAMO-10-16822	GENINORG	GELC	5/13/2010	R-42	931.8
10-3175	CAMO-10-16822	VOA	GELC	5/13/2010	R-42	931.8
10-3175	CAMO-10-16823	VOA	GELC	5/13/2010	R-42	931.8
10-3176	CAMO-10-16764	GENINORG	GELC	5/13/2010	R-28	934.3
10-3176	CAMO-10-16764	METALS	GELC	5/13/2010	R-28	934.3
10-3176	CAMO-10-16765	GENINORG	GELC	5/13/2010	R-28	934.3
10-3176	CAMO-10-16765	METALS	GELC	5/13/2010	R-28	934.3
10-3176	CAMO-10-16821	GENINORG	GELC	5/13/2010	R-42	931.8
10-3176	CAMO-10-16821	METALS	GELC	5/13/2010	R-42	931.8
10-3176	CAMO-10-16822	GENINORG	GELC	5/13/2010	R-42	931.8
10-3176	CAMO-10-16822	METALS	GELC	5/13/2010	R-42	931.8
10-3176	CAMO-10-16822	RAD	GELC	5/13/2010	R-42	931.8
10-3182	CAMO-10-16711	GENINORG	GELC	5/14/2010	MCO-3	2
10-3182	CAMO-10-16712	GENINORG	GELC	5/14/2010	MCO-3	2
10-3182	CAMO-10-16712	METALS	GELC	5/14/2010	MCO-3	2
10-3182	CAMO-10-16713	GENINORG	GELC	5/14/2010	MCO-4B	8.9
10-3182	CAMO-10-16714	GENINORG	GELC	5/14/2010	MCO-4B	8.9
10-3182	CAMO-10-16714	METALS	GELC	5/14/2010	MCO-4B	8.9
10-3184	GW50-10-17150	SVOA	GELC	5/13/2010	R-50	—
10-3184	GW50-10-17150	VOA	GELC	5/13/2010	R-50	—

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3184	GW50-10-17151	SVOA	GELC	5/13/2010	R-50	—
10-3184	GW50-10-17151	VOA	GELC	5/13/2010	R-50	—
10-3184	GW50-10-17152	SVOA	GELC	5/13/2010	R-50	—
10-3184	GW50-10-17152	VOA	GELC	5/13/2010	R-50	—
10-3184	GW50-10-17153	SVOA	GELC	5/13/2010	R-50	—
10-3184	GW50-10-17153	VOA	GELC	5/13/2010	R-50	—
10-3186	CAMO-10-16828	HEXP	STSL	5/14/2010	R-45	974.9
10-3187	CAMO-10-16827	VOA	GELC	5/14/2010	R-45	974.9
10-3187	CAMO-10-16828	GENINORG	GELC	5/14/2010	R-45	974.9
10-3187	CAMO-10-16828	METALS	GELC	5/14/2010	R-45	974.9
10-3187	CAMO-10-16828	RAD	GELC	5/14/2010	R-45	974.9
10-3187	CAMO-10-16828	VOA	GELC	5/14/2010	R-45	974.9
10-3187	CAMO-10-16829	GENINORG	GELC	5/14/2010	R-45	974.9
10-3187	CAMO-10-16829	METALS	GELC	5/14/2010	R-45	974.9
10-3193	CAMO-10-16758	VOA	GELC	5/17/2010	R-15	958.6
10-3193	CAMO-10-16759	GENINORG	GELC	5/17/2010	R-15	958.6
10-3193	CAMO-10-16759	METALS	GELC	5/17/2010	R-15	958.6
10-3193	CAMO-10-16759	VOA	GELC	5/17/2010	R-15	958.6
10-3193	CAMO-10-16760	GENINORG	GELC	5/17/2010	R-15	958.6
10-3193	CAMO-10-16760	METALS	GELC	5/17/2010	R-15	958.6
10-3196	GW50-10-17154	SVOA	GELC	5/17/2010	R-50	—
10-3196	GW50-10-17154	VOA	GELC	5/17/2010	R-50	—
10-3273	CAMO-10-17420	HEXP	STSL	5/27/2010	R-50	1077
10-3274	CAMO-10-17420	GENINORG	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-17420	HEXP	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-17420	PEST/PCB	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-17420	SVOA	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-17420	VOA	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-17422	VOA	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-19012	SVOA	GELC	5/27/2010	R-50	1077
10-3274	CAMO-10-19012	VOA	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-17420	GENINORG	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-17420	METALS	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-17420	RAD	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-17421	GENINORG	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-17421	METALS	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-18481	METALS	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-18974	METALS	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-18975	GENINORG	GELC	5/27/2010	R-50	1077
10-3275	CAMO-10-18975	METALS	GELC	5/27/2010	R-50	1077
10-3283	CAMO-10-18979	HEXP	STSL	5/27/2010	R-50	1185

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3284	CAMO-10-18979	GENINORG	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-18979	HEXP	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-18979	PEST/PCB	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-18979	SVOA	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-18979	VOA	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-18981	VOA	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-19013	SVOA	GELC	5/27/2010	R-50	1185
10-3284	CAMO-10-19013	VOA	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18976	GENINORG	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18976	METALS	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18977	METALS	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18978	METALS	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18979	GENINORG	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18979	METALS	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18979	RAD	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18980	GENINORG	GELC	5/27/2010	R-50	1185
10-3285	CAMO-10-18980	METALS	GELC	5/27/2010	R-50	1185
10-3292	CAMO-10-17420	DIOX/FUR	CFA	5/27/2010	R-50	1077
10-3292	CAMO-10-18979	DIOX/FUR	CFA	5/27/2010	R-50	1185

^a VOA = Volatile organic analysis.

^b — = Not applicable.

^c GENINORG = General inorganics.

^d SVOA = Semivolatile organic analysis.

^e RAD = Radionuclides.

^f HEXP = High explosives.

^g DIOX/FUR = Dioxins and furans.

^h PEST/PCB = Pesticides/polychlorinated biphenyls.

F-2 SANDIA WATERSHED

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3058	CASA-10-16694	VOA ^a	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	— ^b
10-3058	CASA-10-16695	PEST/PCB ^c	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
10-3058	CASA-10-16695	VOA	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
10-3058	CASA-10-16746	VOA	GELC	5/5/2010	R-12	459
10-3058	CASA-10-16747	VOA	GELC	5/5/2010	R-12	459
10-3059	CASA-10-16693	GENINORG ^d	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
10-3059	CASA-10-16693	METALS	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
10-3059	CASA-10-16695	GENINORG	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
10-3059	CASA-10-16695	METALS	GELC	5/5/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
10-3059	CASA-10-16747	GENINORG	GELC	5/5/2010	R-12	459
10-3059	CASA-10-16747	METALS	GELC	5/5/2010	R-12	459
10-3059	CASA-10-16748	GENINORG	GELC	5/5/2010	R-12	459
10-3059	CASA-10-16748	METALS	GELC	5/5/2010	R-12	459
10-3068	CASA-10-16776	VOA	GELC	5/5/2010	R-11	855
10-3068	CASA-10-16777	GENINORG	GELC	5/5/2010	R-11	855
10-3068	CASA-10-16777	METALS	GELC	5/5/2010	R-11	855
10-3068	CASA-10-16778	GENINORG	GELC	5/5/2010	R-11	855
10-3068	CASA-10-16778	VOA	GELC	5/5/2010	R-11	855
10-3069	CASA-10-16777	GENINORG	GELC	5/5/2010	R-11	855
10-3069	CASA-10-16777	METALS	GELC	5/5/2010	R-11	855
10-3069	CASA-10-16778	GENINORG	GELC	5/5/2010	R-11	855
10-3069	CASA-10-16778	METALS	GELC	5/5/2010	R-11	855
10-3084	CASA-10-16761	GENINORG	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16761	METALS	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16762	VOA	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16763	GENINORG	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16763	HEXP ^e	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16763	METALS	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16763	RAD ^f	GELC	5/6/2010	SCI-2	548
10-3084	CASA-10-16763	VOA	GELC	5/6/2010	SCI-2	548
10-3090	CASA-10-16680	GENINORG	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3090	CASA-10-16680	PEST/PCB	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3090	CASA-10-16680	VOA	GELC	5/7/2010	Sandia right fork at Power Plant	—

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3090	CASA-10-16681	GENINORG	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3090	CASA-10-16681	METALS	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3090	CASA-10-16682	VOA	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3090	CASA-10-16683	GENINORG	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3090	CASA-10-16683	PEST/PCB	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3090	CASA-10-16683	VOA	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3090	CASA-10-16684	VOA	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3090	CASA-10-16685	GENINORG	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3090	CASA-10-16685	METALS	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3090	CASA-10-16755	VOA	GELC	5/7/2010	SCI-1	358.4
10-3090	CASA-10-16756	GENINORG	GELC	5/7/2010	SCI-1	358.4
10-3090	CASA-10-16756	METALS	GELC	5/7/2010	SCI-1	358.4
10-3090	CASA-10-16757	GENINORG	GELC	5/7/2010	SCI-1	358.4
10-3090	CASA-10-16757	VOA	GELC	5/7/2010	SCI-1	358.4
10-3091	CASA-10-16680	GENINORG	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3091	CASA-10-16680	METALS	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3091	CASA-10-16681	GENINORG	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3091	CASA-10-16681	METALS	GELC	5/7/2010	Sandia right fork at Power Plant	—
10-3091	CASA-10-16683	GENINORG	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3091	CASA-10-16683	METALS	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3091	CASA-10-16685	GENINORG	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3091	CASA-10-16685	METALS	GELC	5/7/2010	South Fork of Sandia Canyon at E122	—
10-3091	CASA-10-16756	GENINORG	GELC	5/7/2010	SCI-1	358.4
10-3091	CASA-10-16756	METALS	GELC	5/7/2010	SCI-1	358.4
10-3091	CASA-10-16757	GENINORG	GELC	5/7/2010	SCI-1	358.4
10-3091	CASA-10-16757	METALS	GELC	5/7/2010	SCI-1	358.4
10-3107	CASA-10-16728	VOA	GELC	5/10/2010	SCA-4	37
10-3107	CASA-10-16730	VOA	GELC	5/10/2010	SCA-4	37
10-3107	CASA-10-16795	HEXP	GELC	5/10/2010	R-43	903.9
10-3107	CASA-10-16795	RAD	GELC	5/10/2010	R-43	903.9
10-3107	CASA-10-16795	VOA	GELC	5/10/2010	R-43	903.9
10-3107	CASA-10-16796	VOA	GELC	5/10/2010	R-43	903.9
10-3107	CASA-10-16797	VOA	GELC	5/10/2010	R-43	969.1
10-3107	CASA-10-16799	HEXP	GELC	5/10/2010	R-43	969.1
10-3107	CASA-10-16799	RAD	GELC	5/10/2010	R-43	969.1
10-3107	CASA-10-16799	VOA	GELC	5/10/2010	R-43	969.1
10-3108	CASA-10-16728	GENINORG	GELC	5/10/2010	SCA-4	37
10-3108	CASA-10-16728	METALS	GELC	5/10/2010	SCA-4	37
10-3108	CASA-10-16729	GENINORG	GELC	5/10/2010	SCA-4	37
10-3108	CASA-10-16729	METALS	GELC	5/10/2010	SCA-4	37

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3108	CASA-10-16794	GENINORG	GELC	5/10/2010	R-43	903.9
10-3108	CASA-10-16794	METALS	GELC	5/10/2010	R-43	903.9
10-3108	CASA-10-16795	GENINORG	GELC	5/10/2010	R-43	903.9
10-3108	CASA-10-16795	METALS	GELC	5/10/2010	R-43	903.9
10-3108	CASA-10-16798	GENINORG	GELC	5/10/2010	R-43	969.1
10-3108	CASA-10-16798	METALS	GELC	5/10/2010	R-43	969.1
10-3108	CASA-10-16799	GENINORG	GELC	5/10/2010	R-43	969.1
10-3108	CASA-10-16799	METALS	GELC	5/10/2010	R-43	969.1
10-3137	CASA-10-16723	VOA	GELC	5/12/2010	SCA-2	10.3
10-3137	CASA-10-16724	GENINORG	GELC	5/12/2010	SCA-2	10.3
10-3137	CASA-10-16724	METALS	GELC	5/12/2010	SCA-2	10.3
10-3137	CASA-10-16725	GENINORG	GELC	5/12/2010	SCA-2	10.3
10-3137	CASA-10-16725	METALS	GELC	5/12/2010	SCA-2	10.3
10-3137	CASA-10-16725	VOA	GELC	5/12/2010	SCA-2	10.3
10-3151	CASA-10-16783	GENINORG	GELC	5/12/2010	R-35b	825.4
10-3151	CASA-10-16783	VOA	GELC	5/12/2010	R-35b	825.4
10-3151	CASA-10-16784	VOA	GELC	5/12/2010	R-35b	825.4
10-3151	CASA-10-16785	VOA	GELC	5/12/2010	R-35b	825.4
10-3151	CASA-10-16790	GENINORG	GELC	5/12/2010	R-35b	825.4
10-3151	CASA-10-16790	VOA	GELC	5/12/2010	R-35b	825.4
10-3151	CASA-10-16791	VOA	GELC	5/12/2010	R-36	766.9
10-3151	CASA-10-16793	GENINORG	GELC	5/12/2010	R-36	766.9
10-3151	CASA-10-16793	HEXP	GELC	5/12/2010	R-36	766.9
10-3151	CASA-10-16793	VOA	GELC	5/12/2010	R-36	766.9
10-3152	CASA-10-16782	GENINORG	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16782	METALS	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16783	GENINORG	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16783	METALS	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16789	GENINORG	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16789	METALS	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16790	GENINORG	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16790	METALS	GELC	5/12/2010	R-35b	825.4
10-3152	CASA-10-16792	GENINORG	GELC	5/12/2010	R-36	766.9
10-3152	CASA-10-16792	METALS	GELC	5/12/2010	R-36	766.9
10-3152	CASA-10-16793	GENINORG	GELC	5/12/2010	R-36	766.9
10-3152	CASA-10-16793	METALS	GELC	5/12/2010	R-36	766.9
10-3152	CASA-10-16793	RAD	GELC	5/12/2010	R-36	766.9
10-3167	CASA-10-16689	HEXP	STSL	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16686	VOA	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16688	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3171	CASA-10-16688	PEST/PCB	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16688	VOA	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16689	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16689	HEXP	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16689	PEST/PCB	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16689	SVOA	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16689	VOA	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16690	PEST/PCB	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16690	VOA	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16692	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16692	PEST/PCB	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16692	VOA	GELC	5/13/2010	Sandia below Wetlands	—
10-3171	CASA-10-16719	VOA	GELC	5/13/2010	SCA-1-DP	2.16
10-3171	CASA-10-16721	GENINORG	GELC	5/13/2010	SCA-1-DP	2.16
10-3171	CASA-10-16721	PEST/PCB	GELC	5/13/2010	SCA-1-DP	2.16
10-3171	CASA-10-16721	VOA	GELC	5/13/2010	SCA-1-DP	2.16
10-3172	CASA-10-16687	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16687	METALS	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16688	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16688	METALS	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16689	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16689	METALS	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16689	RAD	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16691	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16691	METALS	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16692	GENINORG	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16692	METALS	GELC	5/13/2010	Sandia below Wetlands	—
10-3172	CASA-10-16720	GENINORG	GELC	5/13/2010	SCA-1-DP	2.16
10-3172	CASA-10-16720	METALS	GELC	5/13/2010	SCA-1-DP	2.16
10-3172	CASA-10-16721	GENINORG	GELC	5/13/2010	SCA-1-DP	2.16
10-3172	CASA-10-16721	METALS	GELC	5/13/2010	SCA-1-DP	2.16
10-3183	CASA-10-16779	GENINORG	GELC	5/14/2010	R-35a	1013.1
10-3183	CASA-10-16779	METALS	GELC	5/14/2010	R-35a	1013.1
10-3183	CASA-10-16779	VOA	GELC	5/14/2010	R-35a	1013.1
10-3183	CASA-10-16780	VOA	GELC	5/14/2010	R-35a	1013.1
10-3183	CASA-10-16781	GENINORG	GELC	5/14/2010	R-35a	1013.1
10-3183	CASA-10-16781	METALS	GELC	5/14/2010	R-35a	1013.1
10-3195	CASA-10-16749	GENINORG	GELC	5/17/2010	R-12	504.5
10-3195	CASA-10-16749	METALS	GELC	5/17/2010	R-12	504.5
10-3195	CASA-10-16749	VOA	GELC	5/17/2010	R-12	504.5

Request	Sample	Suite	Lab	Date	Location	Port Depth (ft)
10-3195	CASA-10-16750	VOA	GELC	5/17/2010	R-12	504.5
10-3195	CASA-10-16751	GENINORG	GELC	5/17/2010	R-12	504.5
10-3195	CASA-10-16751	METALS	GELC	5/17/2010	R-12	504.5
10-3205	CASA-10-16689	DIOX/FUR ^g	CFA	5/13/2010	Sandia below Wetlands	—

^a VOA = Volatile organic analysis.

^b — = Not applicable.

^c PEST/PCB = Pesticides/polychlorinated biphenyls.

^d GENINORG = General inorganics.

^e HEXP = High explosives.

^f RAD = Radionuclides.

^g DIOX/FUR = Dioxins and furans.