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Periodic Monitoring Report for Mortandad and Sandia Watersheds, November 9–November 19, 2010



Prepared by the Environmental Programs Directorate

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EP2011-0160

Periodic Monitoring Report for Mortandad and Sandia Watersheds November 9–November 19, 2010

May 2011

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EXECUTIVE SUMMARY

This periodic monitoring report (PMR) provides the results of the periodic monitoring events (PMEs) conducted by Los Alamos National Laboratory in the Mortandad and Sandia Watersheds. These PMEs were conducted pursuant to the 2010 Interim Facility-Wide Groundwater Monitoring Plan, prepared in accordance with the Compliance Order on Consent.

The PMEs documented in this report occurred from November 9 to November 19, 2010, and included the monitoring of base-flow stations and groundwater wells and well ports. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

No results from previous Mortandad Canyon PME surface-water samples are reported in this PMR. No results from surface-water samples collected from Mortandad Canyon during this PME were above screening levels.

Two reanalyses of results from previous Mortandad Canyon PME groundwater samples reported in this PMR were above screening levels. Fifteen results from groundwater samples collected from Mortandad Canyon during this PME exceeded screening levels.

Results from previous Sandia Canyon PME surface-water samples reported in this PMR were below screening levels. Four results from surface-water samples from Sandia Canyon for the current monitoring event were above screening levels.

Results from previous Sandia Canyon PME groundwater samples reported in this PMR were below screening levels. Three results from groundwater samples collected from Sandia Canyon during this PME were above screening levels.

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Acronyms and Abbreviations

AOC	area of concern
AQA	Analytical Quality Associates, Inc.
BCG	Biota Concentration Guide (DOE)
CAS	Chemical Abstracts Service
cfs	cubic feet per second
Consent Order	Compliance Order on Consent
DCG	Derived Concentration Guide (DOE)
DOE	Department of Energy (U.S.)
DW	drinking water
EPA	Environmental Protection Agency (U.S.)
F	filtered
GW	groundwater
IFGMP	Interim Facility-Wide Groundwater Monitoring Plan
LANL	Los Alamos National Laboratory
LVL	level
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
PCB	polychlorinated biphenyl
PME	periodic monitoring event
PMR	periodic monitoring report
PQL	practical quantitation limit
QC	quality control
RLWTF	Radioactive Liquid Waste Treatment Facility
RPF	Records Processing Facility
SCRN	screening
SOP	standard operating procedure
STD	standard
SU	standard unit
SWMU	solid waste management unit
TA	technical area
UF	unfiltered

1.0 INTRODUCTION

This periodic monitoring report (PMR) documents quarterly groundwater monitoring conducted by Los Alamos National Laboratory (LANL or the Laboratory) in the Mortandad and Sandia Watersheds pursuant to the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP) (LANL 2010, 109830), prepared in accordance with the Compliance Order on Consent (the Consent Order). The periodic monitoring events (PMEs) occurred from November 9 to November 19, 2010, and included sampling at base-flow stations and groundwater wells and well ports. This report also includes any results from previous PMEs that were unreported in their respective PMRs because validated laboratory data were not available (in some cases because of data release agreements). Any additional results from sampling that occurred outside the time frame of the current PME are also included in this report.

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

This report presents the following information:

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

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

1.1 Background: Mortandad Watershed

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

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

TA-50. Metals and volatile organic compounds have historically been released into the canyon. Nitrate, perchlorate, fluoride, molybdenum, and radionuclides are some of the contaminants that have been detected in Mortandad Canyon alluvial groundwater. Contamination from perchlorate and nitrate is present in the vadose zone beneath the portion of Mortandad Canyon that is below the confluence of Ten Site Canyon. Nitrate, perchlorate, chromium, and tritium are detected in both intermediate and regional groundwater.

1.2 Background: Sandia Watershed

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

The area of the Sandia Watershed is approximately 5.5 mi^2 (14.2 km^2). 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 (PCBs) have been detected in sediment samples collected from the wetland area, and mercury has been detected in surface-water samples.

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

2.0 SCOPE OF ACTIVITIES

The PMEs for the Mortandad and Sandia Watersheds were conducted pursuant to the 2010 IFGMP (LANL 2010, 109830).

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

3.0 MONITORING RESULTS

3.1 Methods and Procedures

All methods and procedures used to perform the field activities associated with the PMEs are documented in the 2010 IFGMP (LANL 2010, 109830).

3.2 Field Parameter Results

Appendix A contains the field parameter results for these PMEs and the four previous PMEs for each watershed.

3.3 Groundwater Elevations and Base-Flow Observations

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

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

3.4 Deviations from Planned Scope

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

4.0 ANALYTICAL DATA RESULTS

4.1 Methods and Procedures

All methods and procedures used to perform the analytical activities of the PMEs are documented in the 2010 IFGMP (LANL 2010, 109830). Purge water is managed and characterized in accordance with waste profile form 39268, a copy of which was included in Appendix F of a previous PMR (LANL 2008, 103737), and ENV-RCRA-QP-010.2, Land Application of Groundwater. ENV-RCRA-QP-010.2 implements the NMED-approved Notice of Intent Decision Tree for land application of drilling, development, rehabilitation, and sampling purge water.

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

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

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

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

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

4.2 Analytical Data

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

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-20 in Appendix D. These tables show all detected analytical results for perchlorate, radionuclides, and organic compounds and all analytical results greater than half the lowest applicable screening-level values for metals and general inorganic compounds. The sources of screening levels with which the results are compared are listed in Table 4.2-1.

Data for PMRs are evaluated using the following screening process.

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

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

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

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

Figures 4.2-1 through 4.2-4 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 several wells, 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 Mortandad Canyon PME surface-water samples are reported in this PMR. No results from surface-water samples from Mortandad Canyon collected during this PME were above screening levels.

4.2.2 Surface Water (Base Flow): Sandia Watershed

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

For the current PME, total PCB concentrations at four surface-water locations were above the 0.0006 µg/L NMWQCC Human Health Standard screening level (Table 4.2-3). This is the first measurement of total PCB by the congener method at these locations. Other PCB congener analytes were also detected; for a complete list see Appendix D, Table D-20, Organics in Sandia Surface Water Organics. Total PCB was also detected at concentrations below the screening level in three deionized water field QC samples.

4.2.3 Groundwater: Mortandad Watershed

Two reanalysis results reported in this PMR of July 2010 Mortandad Canyon PME groundwater samples were above screening levels (Table 4.2-2). The original results were rejected after review of the reanalyses. In regional well R-28, the original filtered chromium concentration was 558 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. After reanalysis, the sample concentration was 472 µg/L. The original (now rejected) value was the highest result from the well; other

measurements since 2005 have ranged from 310 µg/L to 468 µg/L and showed no particular trend with time. In regional well R-42, the original filtered chromium concentration was 1240 µg/L, matching a previous highest value measured in February 2010. After reanalysis, the sample concentration was 1060 µg/L. The well was first sampled in October 2008, and values range from 744 µg/L to 1240 µg/L.

For the current PME, the perchlorate concentrations at two alluvial wells were 5.53 µg/L and 7.82 µg/L, above the Consent Order screening level of 4 µg/L. Alluvial groundwater concentrations of perchlorate have dropped, especially near the outfall, following the removal of perchlorate from RLWTF effluent in March 2002.

The nitrate (plus nitrite as nitrogen) concentration of 10.0 mg/L in intermediate groundwater well MCOI-6 was equal to the 10 mg/L NMWQCC groundwater standard screening level. Earlier concentrations measured at MCOI-6 since 2005 have decreased from 20.4 mg/L to 9.7 mg/L. The values measured in the last two PMEs are the lowest.

Perchlorate concentrations in intermediate groundwater wells MCOI-5 and MCOI-6 were 99.2 µg/L and 75.8 µg/L, respectively, above the Consent Order screening level of 4 µg/L. MCOI-5 concentrations have shown some variability since it was first sampled in 2005, ranging from 132 µg/L to 68.7 µg/L. At MCOI-6 the results range from 246 µg/L to 75.7 µg/L. The results in MCOI-6 have decreased since 2005; those for the current PME are the lowest.

In MCOI-6, the filtered chromium concentration was 65.5 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Other measurements since 2005 range from 29.4 µg/L to 58.2 µg/L; the current PME result is the highest. At first, concentrations decreased from 59 µg/L in 2005 to 29.4 µg/L in 2007. Values have risen since and have been near or above the standard since late 2009.

The unfiltered dioxane[1,4-] concentrations in intermediate groundwater wells MCOI-5 and MCOI-6 were 9.09 µg/L and 13.6 µg/L, respectively, above the EPA regional tap water screening level of 6.7 µg/L. This screening level was revised in November 2010; the earlier value was 61 µg/L. MCOI-6 dioxane[1,4-] concentrations measured since 2006 using the semivolatile organic method range from 10.9 µg/L to 29.6 µg/L. At MCOI-5 concentrations range from 4.93 µg/L to 9.2 µg/L but include some nondetects (MDL of 1 µg/L to 2 µg/L).

The perchlorate concentration in regional well R-15 was 8.06 µg/L, above the Consent Order screening level of 4 µg/L. The current result is the highest; 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 are estimated.

The unfiltered lead result in R-15 of 39.5 µg/L was above the 15 µg/L EPA drinking water system action level. The filtered result was nondetect at a MDL of 0.5 µg/L. Two recent unfiltered lead results were 4.32 µg/L (November 2009) and 9.09 µg/L (July 2010). Other earlier results were nondetects or were below 2 µg/L. The turbidity for the most recent sample was 4.36 nephelometric turbidity units (NTU); previous turbidity values range from 0.53 NTU to 7.48 NTU.

In regional well R-28, the filtered chromium concentration was 402 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Other measurements since 2005 range from 310 µg/L to 472 µg/L and show no particular trend with time. In regional well R-42, the filtered chromium concentration was 995 µg/L. The well was first sampled in October 2008, and values range from 744 µg/L to 1240 µg/L.

The filtered chromium concentration from the 1077-ft port at regional aquifer well R-50 was 67 µg/L, compared with the NMWQCC groundwater standard screening level of 50 µg/L. Values for three earlier sample events range from 49.8 µg/L to 69.7 µg/L.

Two Aroclor compounds (1242 and 1254) were detected in a field duplicate sample at the 1237-ft screen in regional aquifer well R-16 at concentrations of 1.1 µg/L and 2.1 µg/L, respectively, above the 0.5 µg/L EPA MCL. Neither of the compounds was detected in the primary sample, and neither compound has been detected previously in well samples taken since 2004.

4.2.4 Groundwater: Sandia Watershed

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

For the current monitoring event (Table 4.2-3), the filtered iron and manganese concentrations at alluvial well SCA-1-DP are above their respective NMWQCC groundwater standard screening levels (both applicable to domestic water supply). Both results are the highest measured at the well. The iron concentration of 2150 µg/L was above the 1000 µg/L NMWQCC groundwater standard screening level, and the manganese concentration of 1010 µg/L was above the 200 µg/L NMWQCC groundwater standard screening level. As well as being the highest, the current iron result at SCA-1-DP is the first above the screening level. Earlier filtered iron results range from 406 µg/L to 676 µg/L; one other result was rejected for quality issues. Previous filtered manganese results from SCA-1-DP range from 410 µg/L to 870 µg/L. Turbidity for the current PME sample was 451 NTU; the previous values range from 2.85 NTU to 275 NTU.

The filtered chromium result of 512 µg/L at intermediate well SCI-2 was above the NMWQCC groundwater standard screening level of 50 µg/L. Results since October of 2008 range from 471 µg/L to 658 µg/L.

4.3 Sampling Program Modifications

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

5.0 SUMMARY AND INTERPRETATIONS

5.1 Monitoring Results

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

5.2 Analytical Results

5.2.1 Surface Water (Base Flow): Mortandad Watershed

No results from previous Mortandad Canyon PME surface-water samples are reported in this PMR. No results from surface-water samples collected during this PME from Mortandad Canyon were above screening levels.

For results above screening levels, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.2.2 Surface Water (Base Flow): Sandia Watershed

Results from previous Sandia Canyon PME surface-water samples reported in this PMR were below screening levels. Four results from surface-water samples for the current monitoring event were above screening levels (Table 4.2-3).

For results above screening levels, except for first measurement and detection of PCB congeners at four surface-water locations, the types of contaminants detected in surface-water samples from Sandia Canyon during this PME and their concentrations are consistent with data reported from previous monitoring events in this watershed.

5.2.3 Groundwater: Mortandad Watershed

Two reanalyses of results from previous Mortandad Canyon PME groundwater samples reported in this PMR were above screening levels (Table 4.2-2).

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

For results above screening levels, except for the highest filtered chromium at MCOI-6, the highest perchlorate and unfiltered lead in R-15, and first detection of two Aroclor compounds at R-16, the types of contaminants detected and their concentrations are consistent with data reported from previous monitoring events in Mortandad Watershed.

5.2.4 Groundwater: Sandia Watershed

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

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

For results above screening levels, except for the highest filtered iron, filtered manganese, and turbidity at SCA-1-DP, the types of contaminants detected in groundwater samples during this PME and their concentrations are consistent with data reported from previous monitoring events in Sandia Watershed.

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 REFERENCES

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

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

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

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

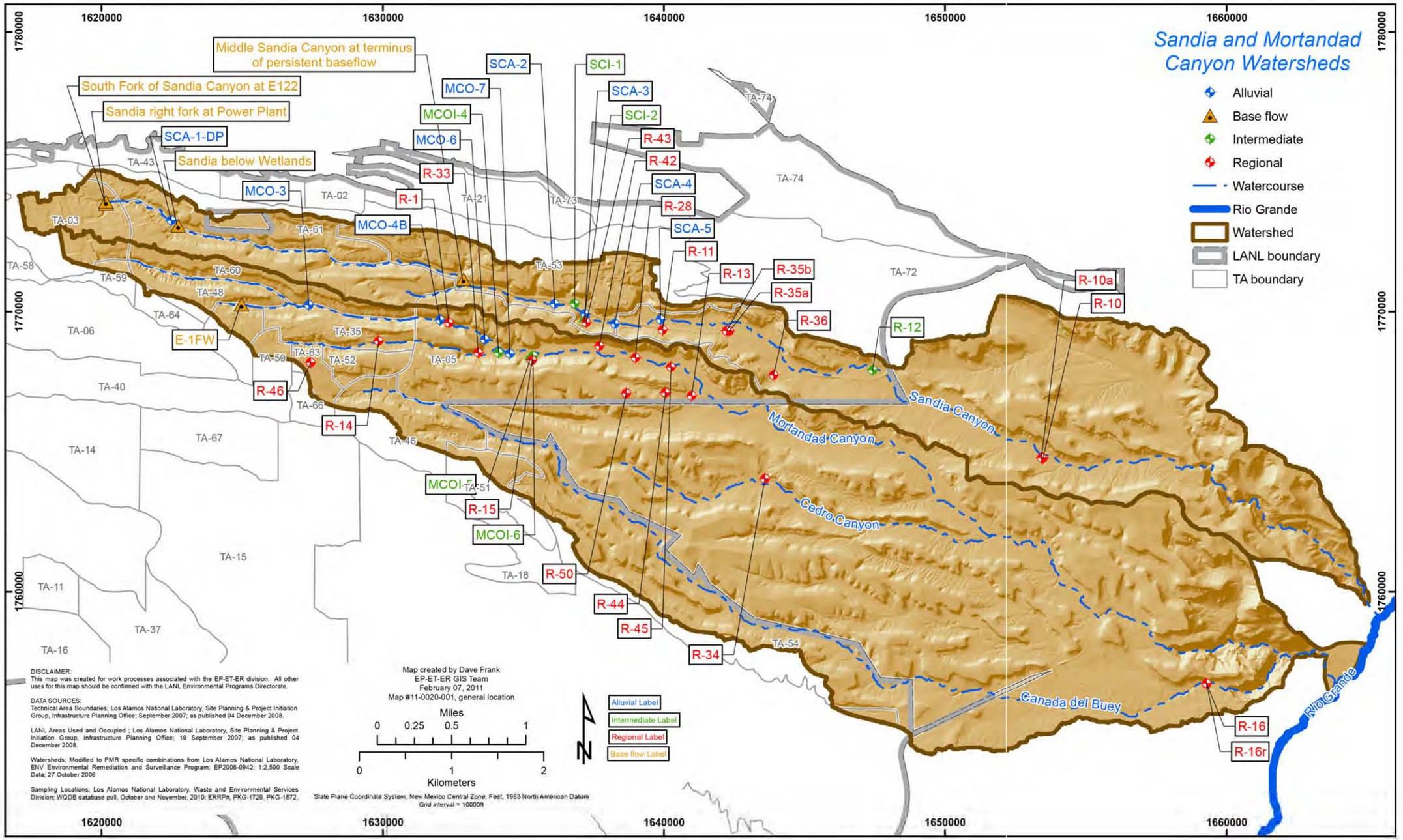


Figure 2.0-1 Locations monitored for this PME. Some locations on this map may not have been sampled (see Tables 3.4-1 and 3.4-2).

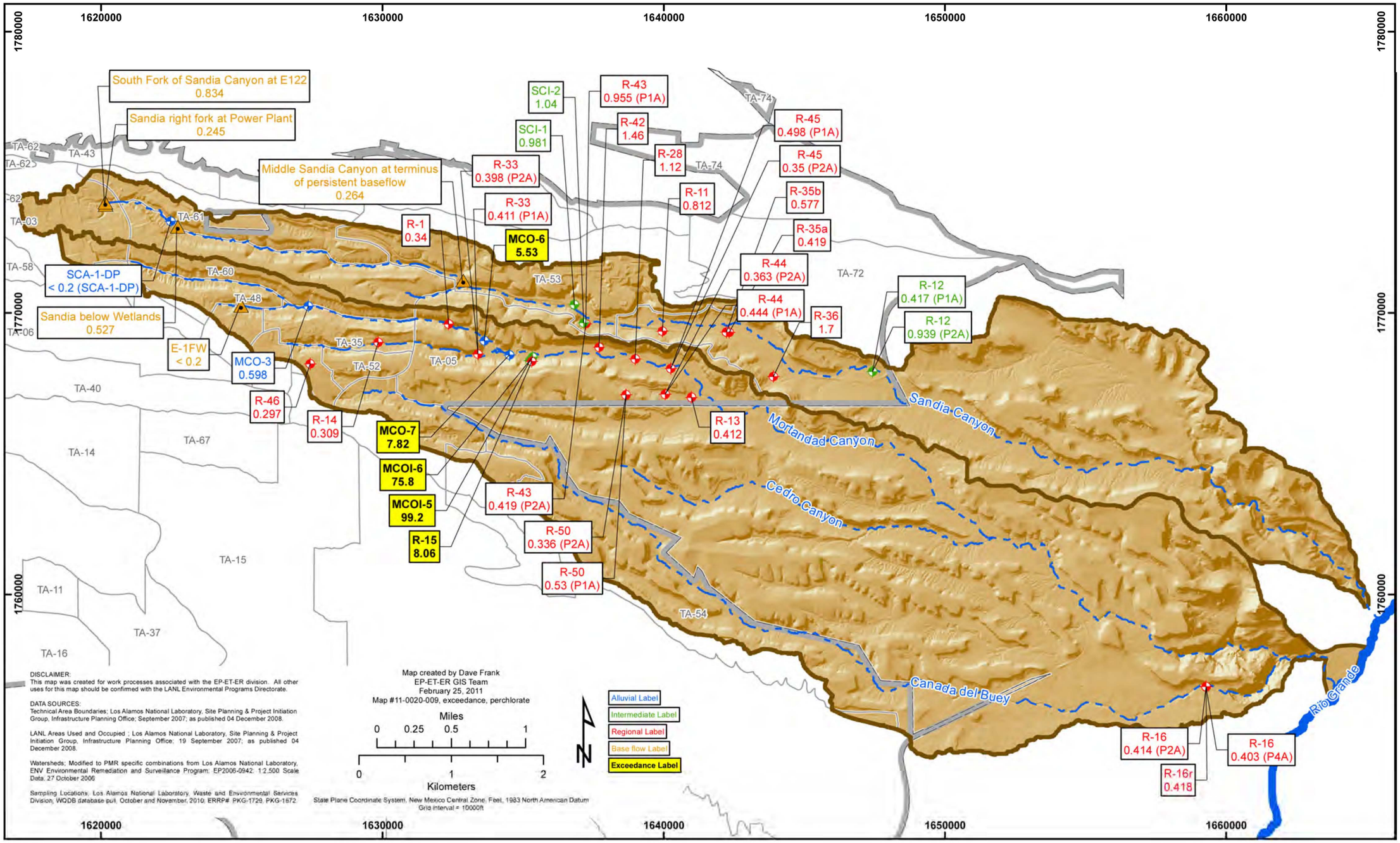


Figure 4.2-1 Watersheds filtered perchlorate concentrations in µg/L. The Consent Order screening level is 4 µg/L.

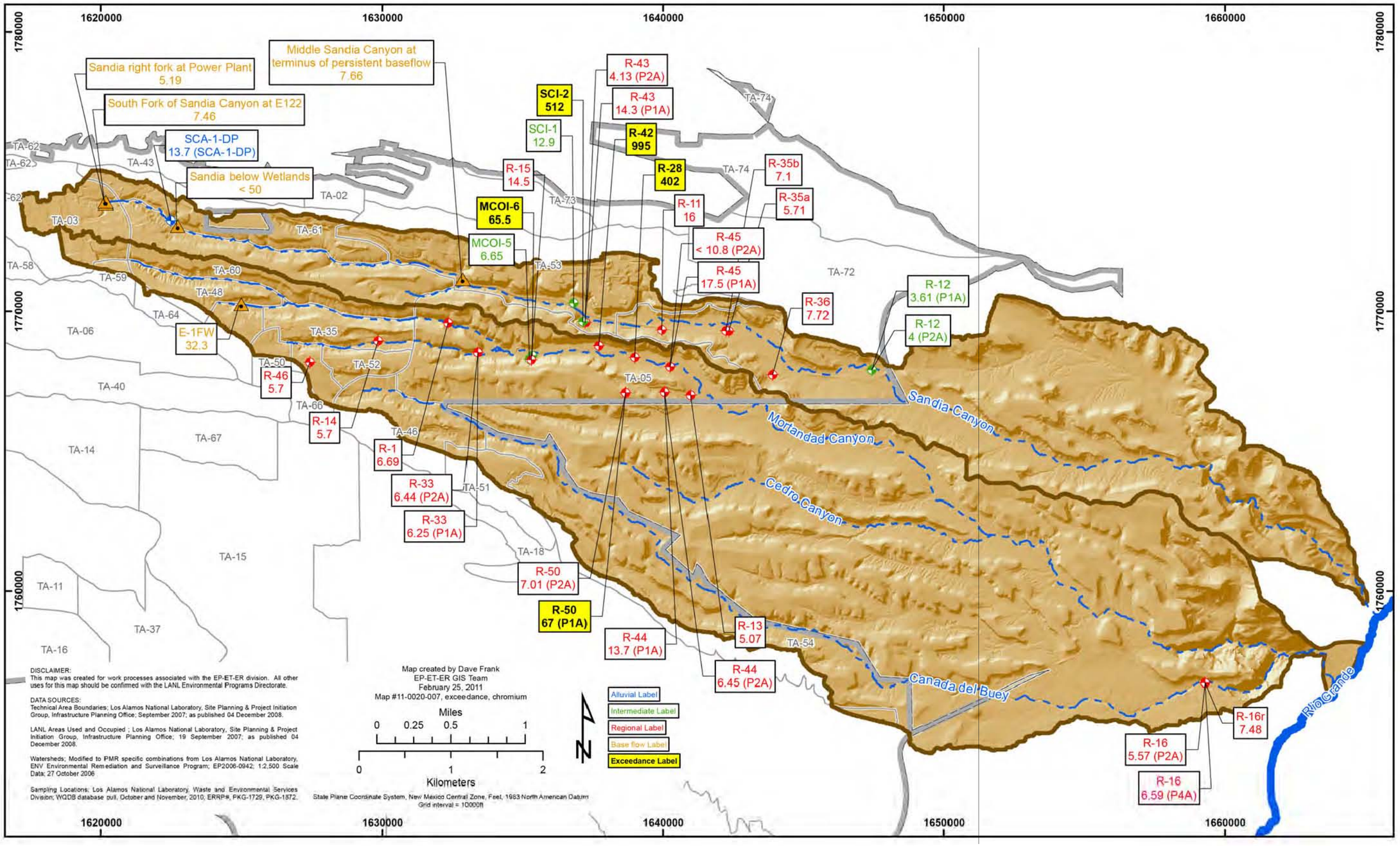


Figure 4.2-2 Watersheds filtered chromium concentrations in µg/L. The NMWQCC groundwater standard screening level is 50 µg/L.

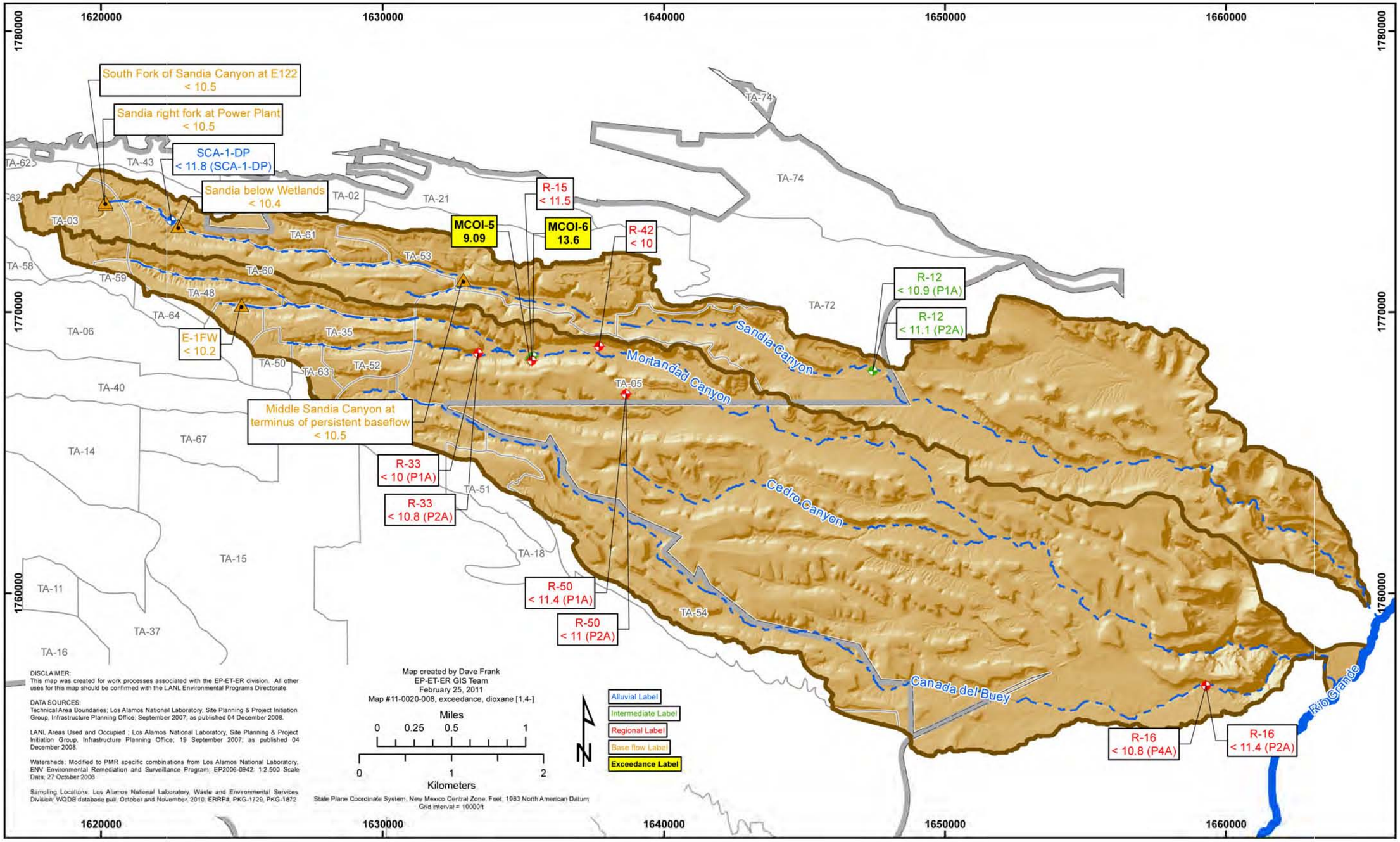


Figure 4.2-3 Watersheds unfiltered dioxane[1,4-] concentrations in µg/L. The EPA tap water screening level is 6.7 µg/L.

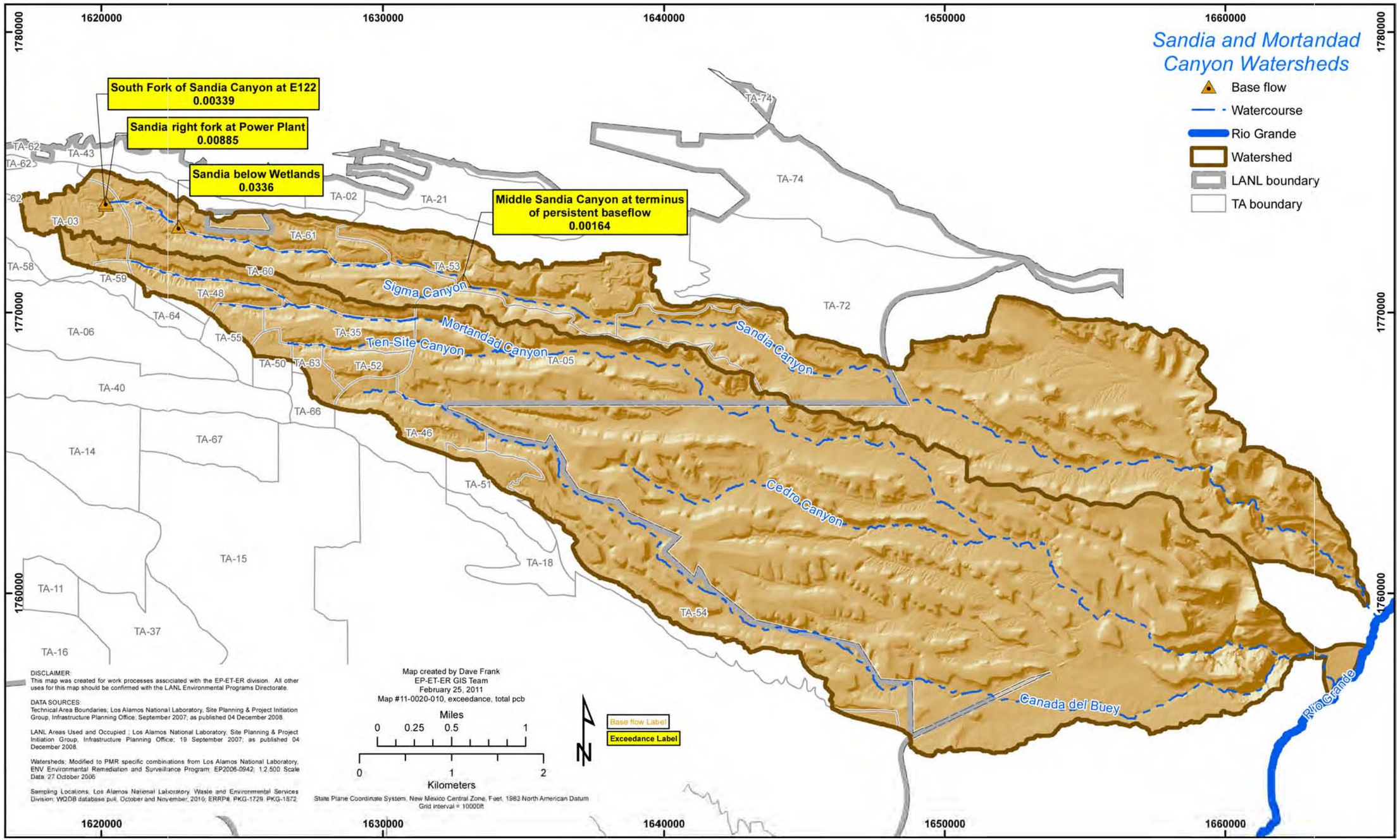


Figure 4.2-4 Watersheds unfiltered total PCB concentrations in µg/L. The NMWQCC Human Health standard screening level is 0.0006 µg/L.

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										
E-1FW	11/11/10	n/a[b]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No flow, stagnant pool
Alluvial										
MCO-3	11/17/10	Single	4561	2	10	2	12	2.09	6.30	0.00022
MCO-4B	11/17/10	Single	4581	8.9	20	8.9	28.9	n/a	n/a	Dry[c]
MCO-6	11/16/10	Single	4601	27	20	27	47	6.80	6.85	0.00045
MCO-7	11/16/10	Single	4631	39	30	39	69	5.12	5.5	0.00042
Intermediate										
MCOI-4	11/18/10	Single	5981	499	23.1	498.9	522	n/a	n/a	Dry
MCOI-5	11/15/10	Single	5721	689	9.96	689.04	699	18.54	56	0.0013
MCOI-6	11/10/10	Single	5731	686	22.3	686	708.3	49.4	148	0.0031
Regional										
R-1	11/12/10	Single	1701	1031.1	26.3	1031.12	1057.42	63.2	190	0.0071
R-13	11/09/10	Single	1741	958.3	60.39	958.33	1018.72	157.8	475	0.0107
R-14	11/12/10	Single	8571	1200.6	32.6	1200.6	1233.2	110.0	382	0.0145
R-15	11/09/10	Single	1751	958.6	61.7	958.6	1020.3	46.3	271	0.0203
R-16	11/17/10	P2A	8861	863.4	7.5	863.4	870.9	218.6	655	0.0102
R-16	11/17/10	P4A	8871	1237	7.6	1237	1244.6	44.4	133	0.0062
R-16r	11/11/10	Single	6341	600	17.6	600	617.6	55.4	170	0.0116
R-28	11/10/10	Single	1781	934.3	23.8	934.3	958.1	73.1	220	0.0089
R-33	11/18/10	P1A	5491	995.5	23	995.5	1018.5	73.9	222	0.0067
R-33	11/18/10	P2A	5501	1112.4	9.9	1112.4	1122.3	40.2	121	0.0060
R-34	11/09/10	Single	1791	895.15	22.9	883.7	906.6	102.4	307	0.0065
R-42	11/10/10	Single	8591	931.8	21.1	931.8	952.9	53.8	162	0.0045
R-44	11/18/10	P1A	8671	895	10	895	905	57.2	172	0.0074

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	11/18/10	P2A	8681	985.3	9.9	985.3	995.2	76.4	230	0.0078
R-45	11/19/10	P1A	8721	880	10	880	890	52.8	159	0.0078
R-45	11/19/10	P2A	8731	974.9	20	974.9	994.9	91.8	276	0.0078
R-46	11/12/10	Single	8741	1340	20.7	1340	1360.7	57.8	173	0.0098
R-50	11/16/10	P1A	9021	1077	10	1077	1087	52.2	156	0.0061
R-50	11/16/10	P2A	9011	1185	20.6	1185	1205.6	96.5	335	0.0031

[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 baseflow	11/09/10	n/a[b]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.021
Sandia below Wetlands	11/11/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.025
Sandia right fork at Power Plant	11/09/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.017
South Fork of Sandia Canyon at E122	11/09/10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.010
Alluvial										
SCA-1-DP	11/11/10	SCA-1-DP	8751	2.16	0.5	2.16	2.66	0.3	0.7	Flow not measured
SCA-2	11/17/10	Single	7991	10.3	4.7	10.3	15	n/a	n/a	Dry[c]
SCA-3	11/16/10	Single	8001	27.6	4.4	27.6	32	n/a	n/a	Dry
SCA-4	11/17/10	Single	8011	37	4.5	37	41.5	n/a	n/a	Dry
SCA-5	11/19/10	Single	8021	55	9.4	55	64.4	n/a	n/a	Dry
Intermediate										
R-12	11/17/10	P1A	8401	459	8.5	459	467.5	41.5	125	0.002
R-12	11/17/10	P2A	8411	504.5	3.5	504.5	508	53.5	170	0.028
SCI-1	11/16/10	Single	8211	358.4	19.5	358.4	377.9	8.3	25	0.001
SCI-2	11/16/10	Single	8601	548	20	548	568	6.9	21	0.002
Regional										
R-10	11/17/10	P1A	6381	874	23	874	897	218.6	656	0.027
R-10	11/17/10	P2A	6391	1042	23	1042	1065	130.8	393	0.027
R-10a	11/09/10	Single	6371	690	10	690	700	67.7	203	0.010
R-11	11/11/10	Single	5531	855	22.9	855	877.9	52.1	157	0.006
R-35a	11/11/10	Single	8331	1013	49.1	1013.1	1062.2	239.2	718	0.008
R-35b	11/11/10	Single	8351	825.4	23.1	825.4	848.5	67.0	201	0.007
R-36	11/11/10	Single	8431	766.9	23	766.9	789.9	42.8	129	0.007
R-43	11/16/10	P1A	8651	903.9	20.7	903.9	924.6	66.3	200	0.003
R-43	11/16/10	P2A	8661	969.1	10	969.1	979.1	25.2	76	0.003

[a] cfs =Cubic feet per second.

[b] n/a = Not applicable.

[c] See Table.3.4-2 for explanation.

Table 3.4-1
Mortandad PME Observations and Deviations

Location	Deviation	Cause	Comment
MCO-4B on 11/17/10; MCOI-4 on 11/18/10	No data are included in this report for these locations.	These locations were not sampled because they were dry.	These locations will be sampled during the next scheduled PME.
R-34 on 11/09/10	No data are included in this report for this location.	Data release by San Ildefonso Pueblo is pending.	Data will be reported when released by San Ildefonso Pueblo.

Table 3.4-2
Sandia PME Observations and Deviations

Location	Deviation	Cause	Comment
SCA-2 on 11/17/10, SCA-3 on 11/16/10, SCA-4 on 11/17/10, SCA-5 on 11/19/10	No data are included in this report for these locations.	These locations were not sampled because they were dry.	These locations will be sampled during the next scheduled PME.
SCA-1-DP on 11/11/10	Limited data are included in this report for this location.	A prioritized suite was collected because of black water.	This location will be sampled during the next scheduled PME.
R-10 P1A and P2A on 11/17/10, R-10a on 11/09/10	No data are included in this report for these locations.	Data release by San Ildefonso Pueblo is pending.	Data will be reported when released by San Ildefonso Pueblo.

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

CAS No.	Analyte Name	MDL	PQL	Screening Level	Unit	Screening-Level Type
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
123-91-1	Dioxane[1,4-]	2.2	10	6.7	µg/L	EPA Regional Tap
118-74-1	Hexachlorobenzene	2	10	1	µg/L	EPA MCL
87-68-3	Hexachlorobutadiene	2	10	8.6	µg/L	EPA Regional Tap
193-39-5	Indeno(1,2,3-cd)pyrene	0.2	1	0.29	µg/L	EPA Regional Tap
98-95-3	Nitrobenzene	3	10	1.2	µg/L	EPA Regional Tap
55-18-5	Nitrosodiethylamine[N-]	2	10	0.0014	µg/L	EPA Regional Tap
62-75-9	Nitrosodimethylamine[N-]	2	10	0.0042	µg/L	EPA Regional Tap
924-16-3	Nitroso-di-n-butylamine[N-]	2	10	0.024	µg/L	EPA Regional Tap
621-64-7	Nitroso-di-n-propylamine[N-]	2	10	0.096	µg/L	EPA Regional Tap
930-55-2	Nitrosopyrrolidine[N-]	2	10	0.32	µg/L	EPA Regional Tap
108-60-1	Oxybis(1-chloropropane)[2,2-]	2	10	3.2	µg/L	EPA Regional Tap
87-86-5	Pentachlorophenol	2	10	1	µg/L	EPA MCL
108-95-2	Phenol	1	10	5	µg/L	NMWQCC GW STD
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
126-99-8	Chloro-1,3-butadiene[2-]	0.3	1	0.16	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-6	11/16/10	Perchlorate	F[a]	5.53	µg/L	4	Consent Order
MCO-7	11/16/10	Perchlorate	F	7.82	µg/L	4	Consent Order
Intermediate Groundwater							
MCOI-5	11/15/10	Perchlorate	F	99.2	µg/L	4	Consent Order
MCOI-6	11/10/10	Perchlorate	F	75.8	µg/L	4	Consent Order
MCOI-6	11/10/10	Nitrate plus nitrite as nitrogen	F	10	mg/L	10	NMWQCC GW STD
MCOI-6	11/10/10	Chromium	F	65.5	µg/L	50	NMWQCC GW STD
MCOI-5	11/15/10	Dioxane[1,4-]	UF[b]	9.09	µg/L	6.7	EPA TAP SCRN LVL
MCOI-6	11/10/10	Dioxane[1,4-]	UF	13.6	µg/L	6.7	EPA TAP SCRN LVL

Table 4.2-2 (continued)

Location	Date	Analyte	Field Prep Code	Result	Unit	Screening Level	Screening-Level Type
Regional Groundwater							
R-15	11/09/10	Perchlorate	F	8.06	µg/L	4	Consent Order
R-15	11/09/10	Lead	UF	39.5	µg/L	15	EPA drinking water action level
R-42	07/13/10	Chromium	F	1060	µg/L	50	NMWQCC GW STD
R-42	11/10/10	Chromium	F	995	µg/L	50	NMWQCC GW STD
R-28	07/14/10	Chromium	F	472	µg/L	50	NMWQCC GW STD
R-28	11/10/10	Chromium	F	402	µg/L	50	NMWQCC GW STD
R-50	11/16/10	Chromium	F	67	µg/L	50	NMWQCC GW STD
R-16	11/17/10	Aroclor-1242	UF	1.1	µg/L	0.5	EPA MCL
R-16	11/17/10	Aroclor-1254	UF	2.1	µg/L	0.5	EPA MCL

[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							
Sandia right fork at Power Plant	11/09/10	Total PCB	UF[a]	0.00885	µg/L	0.0006	NMWQCC Human Health Standard
South Fork of Sandia Canyon at E122	11/09/10	Total PCB	UF	0.00339	µg/L	0.0006	NMWQCC Human Health Standard
Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	Total PCB	UF	0.00164	µg/L	0.0006	NMWQCC Human Health Standard
Sandia below Wetlands	11/11/10	Total PCB	UF	0.0336	µg/L	0.0006	NMWQCC Human Health Standard
Alluvial Groundwater							
SCA-1-DP	11/11/10	Iron	F[b]	2150	µg/L	1000	NMWQCC GW STD
SCA-1-DP	11/11/10	Manganese	F	1010	µg/L	200	NMWQCC GW STD
Intermediate Groundwater							
SCI-2	11/16/10	Chromium	F	512	µg/L	50	NMWQCC GW STD

[a] UF = Unfiltered.

[b] F = Filtered.

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	Unit	Sample
E-1FW	—[a]	—	11/11/10	WS[b]	Dissolved Oxygen	2.8	mg/L	CAMO-11-1240
E-1FW	—	—	02/02/10	WS	Dissolved Oxygen	3.33	mg/L	CAMO-10-9108
E-1FW	—	—	08/18/09	WS	Dissolved Oxygen	0.48	mg/L	CAMO-09-9435
E-1FW	—	—	02/12/09	WS	Dissolved Oxygen	1.76	mg/L	CAMO-09-2372
E-1FW	—	—	11/17/08	WS	Dissolved Oxygen	1.84	mg/L	CAMO-09-713
E-1FW	—	—	11/11/10	WS	pH	6.31	SU[c]	CAMO-11-1240
E-1FW	—	—	02/02/10	WS	pH	6.21	SU	CAMO-10-9108
E-1FW	—	—	08/18/09	WS	pH	5.93	SU	CAMO-09-9435
E-1FW	—	—	02/12/09	WS	pH	5.8	SU	CAMO-09-2372
E-1FW	—	—	11/17/08	WS	pH	5.56	SU	CAMO-09-713
E-1FW	—	—	11/11/10	WS	Specific Conductance	367	µS/cm	CAMO-11-1240
E-1FW	—	—	02/02/10	WS	Specific Conductance	289	µS/cm	CAMO-10-9108
E-1FW	—	—	08/18/09	WS	Specific Conductance	360	µS/cm	CAMO-09-9435
E-1FW	—	—	02/12/09	WS	Specific Conductance	482	µS/cm	CAMO-09-2372
E-1FW	—	—	11/17/08	WS	Specific Conductance	500	µS/cm	CAMO-09-713
E-1FW	—	—	11/11/10	WS	Temperature	5.15	deg C	CAMO-11-1240
E-1FW	—	—	02/02/10	WS	Temperature	1.32	deg C	CAMO-10-9108
E-1FW	—	—	08/18/09	WS	Temperature	13.36	deg C	CAMO-09-9435
E-1FW	—	—	02/12/09	WS	Temperature	2.82	deg C	CAMO-09-2372
E-1FW	—	—	11/17/08	WS	Temperature	6.1	deg C	CAMO-09-713
E-1FW	—	—	11/11/10	WS	Turbidity	42.4	NTU[d]	CAMO-11-1240
E-1FW	—	—	02/02/10	WS	Turbidity	291	NTU	CAMO-10-9108
E-1FW	—	—	08/18/09	WS	Turbidity	115	NTU	CAMO-09-9435
E-1FW	—	—	02/12/09	WS	Turbidity	29.5	NTU	CAMO-09-2372
E-1FW	—	—	11/17/08	WS	Turbidity	13.5	NTU	CAMO-09-713
MCO-3	4561	2	11/17/10	WG[e]	Dissolved Oxygen	1.84	mg/L	CAMO-11-1243

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-3	4561	2	05/14/10	WG	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	11/17/10	WG	Oxidation Reduction Potential	321	mV	CAMO-11-1243
MCO-3	4561	2	05/14/10	WG	Oxidation Reduction Potential	0.9	mV	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	11/17/10	WG	pH	6.83	SU	CAMO-11-1243
MCO-3	4561	2	05/14/10	WG	pH	7	SU	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	11/17/10	WG	Specific Conductance	339	µS/cm	CAMO-11-1243
MCO-3	4561	2	05/14/10	WG	Specific Conductance	537	µS/cm	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	11/17/10	WG	Temperature	6.67	deg C	CAMO-11-1243
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	11/17/10	WG	Turbidity	30.6	NTU	CAMO-11-1243
MCO-3	4561	2	05/14/10	WG	Turbidity	26.5	NTU	CAMO-10-16711
MCO-3	4561	2	02/02/10	WG	Turbidity	2.01	NTU	CAMO-10-9308

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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-6	4601	27	11/16/10	WG	Dissolved Oxygen	8.02	mg/L	CAMO-11-1248
MCO-6	4601	27	07/07/10	WG	Dissolved Oxygen	8.69	mg/L	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Dissolved Oxygen	8.56	mg/L	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Dissolved Oxygen	7.61	mg/L	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Dissolved Oxygen	8.49	mg/L	CAMO-10-3094
MCO-6	4601	27	11/16/10	WG	Oxidation Reduction Potential	267.8	mV	CAMO-11-1248
MCO-6	4601	27	07/07/10	WG	Oxidation Reduction Potential	372	mV	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Oxidation Reduction Potential	450	mV	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Oxidation Reduction Potential	245.4	mV	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Oxidation Reduction Potential	465	mV	CAMO-10-3094
MCO-6	4601	27	11/16/10	WG	pH	6.74	SU	CAMO-11-1248
MCO-6	4601	27	07/07/10	WG	pH	6.09	SU	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	pH	6.71	SU	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	pH	6.47	SU	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	pH	6.49	SU	CAMO-10-3094
MCO-6	4601	27	11/16/10	WG	Specific Conductance	564	µS/cm	CAMO-11-1248
MCO-6	4601	27	07/07/10	WG	Specific Conductance	506	µS/cm	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Specific Conductance	422	µS/cm	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Specific Conductance	453	µS/cm	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Specific Conductance	475	µS/cm	CAMO-10-3094
MCO-6	4601	27	11/16/10	WG	Temperature	9.12	deg C	CAMO-11-1248
MCO-6	4601	27	07/07/10	WG	Temperature	9.56	deg C	CAMO-10-22814
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

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-6	4601	27	11/16/10	WG	Turbidity	0.63	NTU	CAMO-11-1248
MCO-6	4601	27	07/07/10	WG	Turbidity	0.8	NTU	CAMO-10-22814
MCO-6	4601	27	05/11/10	WG	Turbidity	3.07	NTU	CAMO-10-16715
MCO-6	4601	27	01/27/10	WG	Turbidity	2.33	NTU	CAMO-10-9288
MCO-6	4601	27	11/10/09	WG	Turbidity	1.11	NTU	CAMO-10-3094
MCO-7	4631	39	11/16/10	WG	Dissolved Oxygen	8.68	mg/L	CAMO-11-1250
MCO-7	4631	39	07/07/10	WG	Dissolved Oxygen	8.21	mg/L	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Dissolved Oxygen	7.55	mg/L	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Dissolved Oxygen	10.41	mg/L	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Dissolved Oxygen	8.65	mg/L	CAMO-10-3095
MCO-7	4631	39	11/16/10	WG	Oxidation Reduction Potential	323.6	mV	CAMO-11-1250
MCO-7	4631	39	07/07/10	WG	Oxidation Reduction Potential	306.1	mV	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Oxidation Reduction Potential	404.3	mV	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Oxidation Reduction Potential	466.6	mV	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Oxidation Reduction Potential	483	mV	CAMO-10-3095
MCO-7	4631	39	11/16/10	WG	pH	6.65	SU	CAMO-11-1250
MCO-7	4631	39	07/07/10	WG	pH	6.12	SU	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	pH	6.71	SU	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	pH	6.61	SU	CAMO-10-9289
MCO-7	4631	39	11/16/10	WG	Specific Conductance	614	µS/cm	CAMO-11-1250
MCO-7	4631	39	07/07/10	WG	Specific Conductance	422	µS/cm	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Specific Conductance	476	µS/cm	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Specific Conductance	475	µS/cm	CAMO-10-9289
MCO-7	4631	39	11/16/10	WG	Temperature	10.05	deg C	CAMO-11-1250
MCO-7	4631	39	07/07/10	WG	Temperature	10.34	deg C	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Temperature	10.88	deg C	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Temperature	9.7	deg C	CAMO-10-9289

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCO-7	4631	39	11/10/09	WG	Temperature	9.88	deg C	CAMO-10-3095
MCO-7	4631	39	11/16/10	WG	Turbidity	0.91	NTU	CAMO-11-1250
MCO-7	4631	39	07/07/10	WG	Turbidity	4.71	NTU	CAMO-10-22816
MCO-7	4631	39	05/11/10	WG	Turbidity	4.64	NTU	CAMO-10-16717
MCO-7	4631	39	01/28/10	WG	Turbidity	4.5	NTU	CAMO-10-9289
MCO-7	4631	39	11/10/09	WG	Turbidity	4.87	NTU	CAMO-10-3095
MCOI-5	5721	689	11/15/10	WG	Dissolved Oxygen	6.34	mg/L	CAMO-11-1253
MCOI-5	5721	689	07/07/10	WG	Dissolved Oxygen	6.21	mg/L	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Dissolved Oxygen	6	mg/L	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Dissolved Oxygen	6.64	mg/L	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Dissolved Oxygen	5.51	mg/L	CAMO-10-3119
MCOI-5	5721	689	11/15/10	WG	Oxidation Reduction Potential	305.3	mV	CAMO-11-1253
MCOI-5	5721	689	07/07/10	WG	Oxidation Reduction Potential	75.6	mV	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Oxidation Reduction Potential	238.1	mV	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Oxidation Reduction Potential	227.3	mV	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Oxidation Reduction Potential	127.9	mV	CAMO-10-3119
MCOI-5	5721	689	11/15/10	WG	pH	8.19	SU	CAMO-11-1253
MCOI-5	5721	689	07/07/10	WG	pH	7.78	SU	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	pH	8.01	SU	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	pH	7.97	SU	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	pH	7.57	SU	CAMO-10-3119
MCOI-5	5721	689	11/15/10	WG	Specific Conductance	200	µS/cm	CAMO-11-1253
MCOI-5	5721	689	07/07/10	WG	Specific Conductance	182	µS/cm	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Specific Conductance	184	µS/cm	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Specific Conductance	176	µS/cm	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Specific Conductance	182	µS/cm	CAMO-10-3119
MCOI-5	5721	689	11/15/10	WG	Temperature	13.05	deg C	CAMO-11-1253

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
MCOI-5	5721	689	07/07/10	WG	Temperature	14.79	deg C	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Temperature	14.83	deg C	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Temperature	12.96	deg C	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Temperature	13.99	deg C	CAMO-10-3119
MCOI-5	5721	689	11/15/10	WG	Turbidity	0.55	NTU	CAMO-11-1253
MCOI-5	5721	689	07/07/10	WG	Turbidity	1.74	NTU	CAMO-10-22836
MCOI-5	5721	689	05/03/10	WG	Turbidity	2.96	NTU	CAMO-10-16735
MCOI-5	5721	689	01/25/10	WG	Turbidity	1.18	NTU	CAMO-10-9315
MCOI-5	5721	689	11/03/09	WG	Turbidity	0.78	NTU	CAMO-10-3119
MCOI-6	5731	686	11/10/10	WG	Dissolved Oxygen	6.48	mg/L	CAMO-11-1256
MCOI-6	5731	686	07/06/10	WG	Dissolved Oxygen	5.17	mg/L	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Dissolved Oxygen	5.53	mg/L	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Dissolved Oxygen	6.82	mg/L	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Dissolved Oxygen	6.42	mg/L	CAMO-10-3121
MCOI-6	5731	686	11/10/10	WG	Oxidation Reduction Potential	417.2	mV	CAMO-11-1256
MCOI-6	5731	686	07/06/10	WG	Oxidation Reduction Potential	170.9	mV	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Oxidation Reduction Potential	92.8	mV	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Oxidation Reduction Potential	211.8	mV	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Oxidation Reduction Potential	94.1	mV	CAMO-10-3121
MCOI-6	5731	686	11/10/10	WG	pH	6.96	SU	CAMO-11-1256
MCOI-6	5731	686	07/06/10	WG	pH	6.52	SU	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	pH	6.54	SU	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	pH	6.49	SU	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	pH	7.08	SU	CAMO-10-3121
MCOI-6	5731	686	11/10/10	WG	Specific Conductance	628	µS/cm	CAMO-11-1256
MCOI-6	5731	686	07/06/10	WG	Specific Conductance	522	µS/cm	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Specific Conductance	590	µS/cm	CAMO-10-16737

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/10/10	WG	Temperature	12.84	deg C	CAMO-11-1256
MCOI-6	5731	686	07/06/10	WG	Temperature	20.55	deg C	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Temperature	17.01	deg C	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Temperature	15.05	deg C	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Temperature	16.98	deg C	CAMO-10-3121
MCOI-6	5731	686	11/10/10	WG	Turbidity	0.58	NTU	CAMO-11-1256
MCOI-6	5731	686	07/06/10	WG	Turbidity	0.59	NTU	CAMO-10-22837
MCOI-6	5731	686	05/11/10	WG	Turbidity	0.58	NTU	CAMO-10-16737
MCOI-6	5731	686	01/26/10	WG	Turbidity	0.45	NTU	CAMO-10-9319
MCOI-6	5731	686	11/06/09	WG	Turbidity	0.57	NTU	CAMO-10-3121
R-1	1701	1031.1	11/12/10	WG	Dissolved Oxygen	4.84	mg/L	CAMO-11-1262
R-1	1701	1031.1	07/13/10	WG	Dissolved Oxygen	4.69	mg/L	CAMO-10-22844
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	11/12/10	WG	Oxidation Reduction Potential	192.6	mV	CAMO-11-1262
R-1	1701	1031.1	07/13/10	WG	Oxidation Reduction Potential	49.5	mV	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Oxidation Reduction Potential	141.6	mV	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Oxidation Reduction Potential	193.9	mV	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Oxidation Reduction Potential	83.6	mV	CAMO-10-3125
R-1	1701	1031.1	11/12/10	WG	pH	7	SU	CAMO-11-1262
R-1	1701	1031.1	07/13/10	WG	pH	7.36	SU	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	pH	7.55	SU	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	pH	7.22	SU	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	pH	7.45	SU	CAMO-10-3125

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-1	1701	1031.1	11/12/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1262
R-1	1701	1031.1	07/13/10	WG	Specific Conductance	128	µS/cm	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Specific Conductance	143	µS/cm	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Specific Conductance	140	µS/cm	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Specific Conductance	133	µS/cm	CAMO-10-3125
R-1	1701	1031.1	11/12/10	WG	Temperature	20.26	deg C	CAMO-11-1262
R-1	1701	1031.1	07/13/10	WG	Temperature	21.71	deg C	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Temperature	21.9	deg C	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Temperature	20.26	deg C	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Temperature	20.4	deg C	CAMO-10-3125
R-1	1701	1031.1	11/12/10	WG	Turbidity	0.48	NTU	CAMO-11-1262
R-1	1701	1031.1	07/13/10	WG	Turbidity	0.39	NTU	CAMO-10-22844
R-1	1701	1031.1	05/03/10	WG	Turbidity	0.49	NTU	CAMO-10-16739
R-1	1701	1031.1	02/11/10	WG	Turbidity	1.42	NTU	CAMO-10-9329
R-1	1701	1031.1	11/16/09	WG	Turbidity	0.33	NTU	CAMO-10-3125
R-13	1741	958.3	11/09/10	WG	Dissolved Oxygen	6.15	mg/L	CAMO-11-1269
R-13	1741	958.3	07/13/10	WG	Dissolved Oxygen	5.31	mg/L	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Dissolved Oxygen	4.77	mg/L	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Dissolved Oxygen	6.05	mg/L	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Dissolved Oxygen	5.38	mg/L	CAMO-10-3134
R-13	1741	958.3	11/09/10	WG	Oxidation Reduction Potential	347.9	mV	CAMO-11-1269
R-13	1741	958.3	07/13/10	WG	Oxidation Reduction Potential	302.4	mV	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Oxidation Reduction Potential	230.9	mV	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Oxidation Reduction Potential	390.7	mV	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Oxidation Reduction Potential	171.9	mV	CAMO-10-3134
R-13	1741	958.3	11/09/10	WG	pH	8.02	SU	CAMO-11-1269
R-13	1741	958.3	07/13/10	WG	pH	7.88	SU	CAMO-10-22848

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/09/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1269
R-13	1741	958.3	07/13/10	WG	Specific Conductance	145	µS/cm	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Specific Conductance	131	µS/cm	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Specific Conductance	139	µS/cm	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Specific Conductance	135	µS/cm	CAMO-10-3134
R-13	1741	958.3	11/09/10	WG	Temperature	17.63	deg C	CAMO-11-1269
R-13	1741	958.3	07/13/10	WG	Temperature	23.22	deg C	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Temperature	23.13	deg C	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Temperature	20.92	deg C	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Temperature	20.53	deg C	CAMO-10-3134
R-13	1741	958.3	11/09/10	WG	Turbidity	0.39	NTU	CAMO-11-1269
R-13	1741	958.3	07/13/10	WG	Turbidity	0.45	NTU	CAMO-10-22848
R-13	1741	958.3	05/06/10	WG	Turbidity	0.53	NTU	CAMO-10-16787
R-13	1741	958.3	02/11/10	WG	Turbidity	0.47	NTU	CAMO-10-9343
R-13	1741	958.3	11/12/09	WG	Turbidity	0.17	NTU	CAMO-10-3134
R-14	8571	1200.6	11/12/10	WG	Dissolved Oxygen	4.34	mg/L	CAMO-11-1265
R-14	8571	1200.6	07/01/10	WG	Dissolved Oxygen	4.03	mg/L	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Dissolved Oxygen	4.06	mg/L	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Dissolved Oxygen	4.16	mg/L	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Dissolved Oxygen	3.69	mg/L	CAMO-10-3215
R-14	8571	1200.6	11/12/10	WG	Oxidation Reduction Potential	430.9	mV	CAMO-11-1265
R-14	8571	1200.6	07/01/10	WG	Oxidation Reduction Potential	166.2	mV	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Oxidation Reduction Potential	20.2	mV	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Oxidation Reduction Potential	235.1	mV	CAMO-10-9333

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-14	8571	1200.6	11/04/09	WG	Oxidation Reduction Potential	56.9	mV	CAMO-10-3215
R-14	8571	1200.6	11/12/10	WG	pH	8.12	SU	CAMO-11-1265
R-14	8571	1200.6	07/01/10	WG	pH	8.19	SU	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	pH	8.02	SU	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	pH	8.12	SU	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	pH	8.06	SU	CAMO-10-3215
R-14	8571	1200.6	11/12/10	WG	Specific Conductance	133	µS/cm	CAMO-11-1265
R-14	8571	1200.6	07/01/10	WG	Specific Conductance	132	µS/cm	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Specific Conductance	132	µS/cm	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Specific Conductance	131	µS/cm	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Specific Conductance	134	µS/cm	CAMO-10-3215
R-14	8571	1200.6	11/12/10	WG	Temperature	22.85	deg C	CAMO-11-1265
R-14	8571	1200.6	07/01/10	WG	Temperature	22.6	deg C	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Temperature	22.13	deg C	CAMO-10-16752
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	11/12/10	WG	Turbidity	0.53	NTU	CAMO-11-1265
R-14	8571	1200.6	07/01/10	WG	Turbidity	1.08	NTU	CAMO-10-22851
R-14	8571	1200.6	05/03/10	WG	Turbidity	0.98	NTU	CAMO-10-16752
R-14	8571	1200.6	02/03/10	WG	Turbidity	0.59	NTU	CAMO-10-9333
R-14	8571	1200.6	11/04/09	WG	Turbidity	0.85	NTU	CAMO-10-3215
R-15	1751	958.6	11/09/10	WG	Dissolved Oxygen	6.02	mg/L	CAMO-11-1268
R-15	1751	958.6	07/14/10	WG	Dissolved Oxygen	3.79	mg/L	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Dissolved Oxygen	5.77	mg/L	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Dissolved Oxygen	6.48	mg/L	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Dissolved Oxygen	5.94	mg/L	CAMO-10-3138
R-15	1751	958.6	11/09/10	WG	Oxidation Reduction Potential	326.8	mV	CAMO-11-1268

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-15	1751	958.6	07/14/10	WG	Oxidation Reduction Potential	165.3	mV	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Oxidation Reduction Potential	61.8	mV	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Oxidation Reduction Potential	352.3	mV	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Oxidation Reduction Potential	180.6	mV	CAMO-10-3138
R-15	1751	958.6	11/09/10	WG	pH	8.2	SU	CAMO-11-1268
R-15	1751	958.6	07/14/10	WG	pH	8.38	SU	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	pH	8.1	SU	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	pH	7.78	SU	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	pH	8.05	SU	CAMO-10-3138
R-15	1751	958.6	11/09/10	WG	Specific Conductance	155	µS/cm	CAMO-11-1268
R-15	1751	958.6	07/14/10	WG	Specific Conductance	153	µS/cm	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Specific Conductance	147	µS/cm	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Specific Conductance	152	µS/cm	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Specific Conductance	157	µS/cm	CAMO-10-3138
R-15	1751	958.6	11/09/10	WG	Temperature	18.65	deg C	CAMO-11-1268
R-15	1751	958.6	07/14/10	WG	Temperature	19.65	deg C	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Temperature	20.3	deg C	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Temperature	19.25	deg C	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Temperature	19.78	deg C	CAMO-10-3138
R-15	1751	958.6	11/09/10	WG	Turbidity	4.36	NTU	CAMO-11-1268
R-15	1751	958.6	07/14/10	WG	Turbidity	5.47	NTU	CAMO-10-22857
R-15	1751	958.6	05/17/10	WG	Turbidity	3.1	NTU	CAMO-10-16759
R-15	1751	958.6	02/11/10	WG	Turbidity	2.38	NTU	CAMO-10-9324
R-15	1751	958.6	11/05/09	WG	Turbidity	2.14	NTU	CAMO-10-3138
R-16	8861	863.4	11/17/10	WG	Dissolved Oxygen	4.58	mg/L	CAMO-11-1288
R-16	8861	863.4	07/12/10	WG	Dissolved Oxygen	4.66	mg/L	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Dissolved Oxygen	5.43	mg/L	CAMO-10-16855

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/17/10	WG	Oxidation Reduction Potential	334.6	mV	CAMO-11-1288
R-16	8861	863.4	07/12/10	WG	Oxidation Reduction Potential	-2.5	mV	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Oxidation Reduction Potential	192.7	mV	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Oxidation Reduction Potential	95.1	mV	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Oxidation Reduction Potential	115.7	mV	GW16-10-2261
R-16	8861	863.4	11/17/10	WG	pH	7.96	SU	CAMO-11-1288
R-16	8861	863.4	07/12/10	WG	pH	7.83	SU	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	pH	7.47	SU	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	pH	7.89	SU	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	pH	7.93	SU	GW16-10-2261
R-16	8861	863.4	11/17/10	WG	Specific Conductance	178	µS/cm	CAMO-11-1288
R-16	8861	863.4	07/12/10	WG	Specific Conductance	157	µS/cm	CAMO-10-22896
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	11/17/10	WG	Temperature	20.54	deg C	CAMO-11-1288
R-16	8861	863.4	07/12/10	WG	Temperature	23.53	deg C	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Temperature	22.81	deg C	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Temperature	19.83	deg C	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Temperature	20.61	deg C	GW16-10-2261
R-16	8861	863.4	11/17/10	WG	Turbidity	0.24	NTU	CAMO-11-1288
R-16	8861	863.4	07/12/10	WG	Turbidity	0.32	NTU	CAMO-10-22896
R-16	8861	863.4	05/04/10	WG	Turbidity	1.5	NTU	CAMO-10-16855
R-16	8861	863.4	02/08/10	WG	Turbidity	0.34	NTU	CAMO-10-9388
R-16	8861	863.4	12/10/09	WG	Turbidity	0.34	NTU	GW16-10-2261

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16	8871	1237	11/17/10	WG	Dissolved Oxygen	2.28	mg/L	CAMO-11-1305
R-16	8871	1237	07/12/10	WG	Dissolved Oxygen	1.75	mg/L	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Dissolved Oxygen	3.11	mg/L	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Dissolved Oxygen	1.3	mg/L	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Dissolved Oxygen	1.33	mg/L	GW16-10-2264
R-16	8871	1237	11/17/10	WG	Oxidation Reduction Potential	433	mV	CAMO-11-1305
R-16	8871	1237	07/12/10	WG	Oxidation Reduction Potential	-59.5	mV	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Oxidation Reduction Potential	149.5	mV	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Oxidation Reduction Potential	527	mV	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Oxidation Reduction Potential	97.3	mV	GW16-10-2264
R-16	8871	1237	11/17/10	WG	pH	8.2	SU	CAMO-11-1305
R-16	8871	1237	07/12/10	WG	pH	8.01	SU	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	pH	8.09	SU	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	pH	8.11	SU	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	pH	8.45	SU	GW16-10-2264
R-16	8871	1237	11/17/10	WG	Specific Conductance	193	µS/cm	CAMO-11-1305
R-16	8871	1237	07/12/10	WG	Specific Conductance	177	µS/cm	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Specific Conductance	157	µS/cm	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Specific Conductance	177	µS/cm	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Specific Conductance	189	µS/cm	GW16-10-2264
R-16	8871	1237	11/17/10	WG	Temperature	17.67	deg C	CAMO-11-1305
R-16	8871	1237	07/12/10	WG	Temperature	24.12	deg C	CAMO-10-22899
R-16	8871	1237	05/07/10	WG	Temperature	23.59	deg C	CAMO-10-16852
R-16	8871	1237	02/08/10	WG	Temperature	19.88	deg C	CAMO-10-12325
R-16	8871	1237	12/10/09	WG	Temperature	20.56	deg C	GW16-10-2264
R-16	8871	1237	11/17/10	WG	Turbidity	0.49	NTU	CAMO-11-1305
R-16	8871	1237	07/12/10	WG	Turbidity	1.16	NTU	CAMO-10-22899

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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-16r	6341	600	11/11/10	WG	Dissolved Oxygen	5.18	mg/L	CAMO-11-1289
R-16r	6341	600	07/15/10	WG	Dissolved Oxygen	5.84	mg/L	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Dissolved Oxygen	5.04	mg/L	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Dissolved Oxygen	5.35	mg/L	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Dissolved Oxygen	6.66	mg/L	CAMO-10-3144
R-16r	6341	600	11/11/10	WG	Oxidation Reduction Potential	418.1	mV	CAMO-11-1289
R-16r	6341	600	07/15/10	WG	Oxidation Reduction Potential	446.3	mV	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Oxidation Reduction Potential	88.2	mV	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Oxidation Reduction Potential	446	mV	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Oxidation Reduction Potential	350.4	mV	CAMO-10-3144
R-16r	6341	600	11/11/10	WG	pH	8.09	SU	CAMO-11-1289
R-16r	6341	600	07/15/10	WG	pH	7.77	SU	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	pH	7.76	SU	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	pH	7.83	SU	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	pH	7.97	SU	CAMO-10-3144
R-16r	6341	600	11/11/10	WG	Specific Conductance	178	µS/cm	CAMO-11-1289
R-16r	6341	600	07/15/10	WG	Specific Conductance	186	µS/cm	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Specific Conductance	169	µS/cm	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Specific Conductance	174	µS/cm	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Specific Conductance	171	µS/cm	CAMO-10-3144
R-16r	6341	600	11/11/10	WG	Temperature	19.54	deg C	CAMO-11-1289
R-16r	6341	600	07/15/10	WG	Temperature	23.09	deg C	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Temperature	20.05	deg C	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Temperature	20.05	deg C	CAMO-10-9337

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-16r	6341	600	11/16/09	WG	Temperature	18.31	deg C	CAMO-10-3144
R-16r	6341	600	11/11/10	WG	Turbidity	0.1	NTU	CAMO-11-1289
R-16r	6341	600	07/15/10	WG	Turbidity	0.47	NTU	CAMO-10-22861
R-16r	6341	600	05/07/10	WG	Turbidity	0.22	NTU	CAMO-10-16833
R-16r	6341	600	02/04/10	WG	Turbidity	1.04	NTU	CAMO-10-9337
R-16r	6341	600	11/16/09	WG	Turbidity	0.22	NTU	CAMO-10-3144
R-28	1781	934.3	11/10/10	WG	Dissolved Oxygen	5.52	mg/L	CAMO-11-1271
R-28	1781	934.3	07/14/10	WG	Dissolved Oxygen	2.95	mg/L	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Dissolved Oxygen	5.96	mg/L	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Dissolved Oxygen	6.68	mg/L	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Dissolved Oxygen	6.72	mg/L	CAMO-10-3130
R-28	1781	934.3	11/10/10	WG	Oxidation Reduction Potential	216.7	mV	CAMO-11-1271
R-28	1781	934.3	07/14/10	WG	Oxidation Reduction Potential	69	mV	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Oxidation Reduction Potential	438	mV	CAMO-10-16764
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	11/10/10	WG	pH	7.69	SU	CAMO-11-1271
R-28	1781	934.3	07/14/10	WG	pH	7.99	SU	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	pH	7.74	SU	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	pH	7.79	SU	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	pH	7.69	SU	CAMO-10-3130
R-28	1781	934.3	11/10/10	WG	Specific Conductance	404	µS/cm	CAMO-11-1271
R-28	1781	934.3	07/14/10	WG	Specific Conductance	391	µS/cm	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Specific Conductance	394	µS/cm	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Specific Conductance	390	µS/cm	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Specific Conductance	397	µS/cm	CAMO-10-3130
R-28	1781	934.3	11/10/10	WG	Temperature	18.63	deg C	CAMO-11-1271

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-28	1781	934.3	07/14/10	WG	Temperature	21.99	deg C	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Temperature	20.05	deg C	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Temperature	19.48	deg C	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Temperature	21.02	deg C	CAMO-10-3130
R-28	1781	934.3	11/10/10	WG	Turbidity	1.07	NTU	CAMO-11-1271
R-28	1781	934.3	07/14/10	WG	Turbidity	0.83	NTU	CAMO-10-22860
R-28	1781	934.3	05/13/10	WG	Turbidity	0.85	NTU	CAMO-10-16764
R-28	1781	934.3	02/03/10	WG	Turbidity	0.57	NTU	CAMO-10-9326
R-28	1781	934.3	11/05/09	WG	Turbidity	0.71	NTU	CAMO-10-3130
R-33	5491	995.5	11/18/10	WG	Dissolved Oxygen	4.18	mg/L	CAMO-11-1297
R-33	5491	995.5	07/09/10	WG	Dissolved Oxygen	4.19	mg/L	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Dissolved Oxygen	4.46	mg/L	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Dissolved Oxygen	4.76	mg/L	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Dissolved Oxygen	4.41	mg/L	CAMO-10-3196
R-33	5491	995.5	11/18/10	WG	Oxidation Reduction Potential	290.4	mV	CAMO-11-1297
R-33	5491	995.5	07/09/10	WG	Oxidation Reduction Potential	75.7	mV	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Oxidation Reduction Potential	403.6	mV	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Oxidation Reduction Potential	129.9	mV	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Oxidation Reduction Potential	98.6	mV	CAMO-10-3196
R-33	5491	995.5	11/18/10	WG	pH	7.4	SU	CAMO-11-1297
R-33	5491	995.5	07/09/10	WG	pH	7.26	SU	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	pH	7.2	SU	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	pH	7.17	SU	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	pH	7.25	SU	CAMO-10-3196
R-33	5491	995.5	11/18/10	WG	Specific Conductance	143	µS/cm	CAMO-11-1297
R-33	5491	995.5	07/09/10	WG	Specific Conductance	140	µS/cm	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Specific Conductance	137	µS/cm	CAMO-10-16816

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/18/10	WG	Temperature	21.34	deg C	CAMO-11-1297
R-33	5491	995.5	07/09/10	WG	Temperature	21.75	deg C	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Temperature	18.93	deg C	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Temperature	21.12	deg C	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Temperature	21.09	deg C	CAMO-10-3196
R-33	5491	995.5	11/18/10	WG	Turbidity	0.38	NTU	CAMO-11-1297
R-33	5491	995.5	07/09/10	WG	Turbidity	0.46	NTU	CAMO-10-22883
R-33	5491	995.5	05/12/10	WG	Turbidity	1.36	NTU	CAMO-10-16816
R-33	5491	995.5	01/28/10	WG	Turbidity	0.59	NTU	CAMO-10-9361
R-33	5491	995.5	11/09/09	WG	Turbidity	0.41	NTU	CAMO-10-3196
R-33	5501	1112.4	11/18/10	WG	Dissolved Oxygen	5.6	mg/L	CAMO-11-1300
R-33	5501	1112.4	07/09/10	WG	Dissolved Oxygen	4.74	mg/L	CAMO-10-22885
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	11/18/10	WG	Oxidation Reduction Potential	299.4	mV	CAMO-11-1300
R-33	5501	1112.4	07/09/10	WG	Oxidation Reduction Potential	65.6	mV	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Oxidation Reduction Potential	351.8	mV	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Oxidation Reduction Potential	226.4	mV	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Oxidation Reduction Potential	136.9	mV	CAMO-10-3211
R-33	5501	1112.4	11/18/10	WG	pH	7.63	SU	CAMO-11-1300
R-33	5501	1112.4	07/09/10	WG	pH	7.32	SU	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	pH	7.67	SU	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	pH	7.43	SU	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	pH	7.39	SU	CAMO-10-3211

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-33	5501	1112.4	11/18/10	WG	Specific Conductance	140	µS/cm	CAMO-11-1300
R-33	5501	1112.4	07/09/10	WG	Specific Conductance	137	µS/cm	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Specific Conductance	133	µS/cm	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Specific Conductance	126	µS/cm	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Specific Conductance	139	µS/cm	CAMO-10-3211
R-33	5501	1112.4	11/18/10	WG	Temperature	20	deg C	CAMO-11-1300
R-33	5501	1112.4	07/09/10	WG	Temperature	21.99	deg C	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Temperature	20.9	deg C	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Temperature	19.93	deg C	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Temperature	21.66	deg C	CAMO-10-3211
R-33	5501	1112.4	11/18/10	WG	Turbidity	0.44	NTU	CAMO-11-1300
R-33	5501	1112.4	07/09/10	WG	Turbidity	6.34	NTU	CAMO-10-22885
R-33	5501	1112.4	05/12/10	WG	Turbidity	0.46	NTU	CAMO-10-16818
R-33	5501	1112.4	01/28/10	WG	Turbidity	0.49	NTU	CAMO-10-9367
R-33	5501	1112.4	11/06/09	WG	Turbidity	2.28	NTU	CAMO-10-3211
R-34	1791	883.7	11/09/10	WG	Dissolved Oxygen	5.01	mg/L	CAMO-11-1302
R-34	1791	883.7	07/09/10	WG	Dissolved Oxygen	4.21	mg/L	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Dissolved Oxygen	4.06	mg/L	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Dissolved Oxygen	4.49	mg/L	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Dissolved Oxygen	4.71	mg/L	CAMO-10-3147
R-34	1791	883.7	11/09/10	WG	Oxidation Reduction Potential	468.9	mV	CAMO-11-1302
R-34	1791	883.7	07/09/10	WG	Oxidation Reduction Potential	432.5	mV	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Oxidation Reduction Potential	365.5	mV	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Oxidation Reduction Potential	452.1	mV	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Oxidation Reduction Potential	222	mV	CAMO-10-3147
R-34	1791	883.7	11/09/10	WG	pH	8.23	SU	CAMO-11-1302
R-34	1791	883.7	07/09/10	WG	pH	8.09	SU	CAMO-10-22881

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/09/10	WG	Specific Conductance	156	µS/cm	CAMO-11-1302
R-34	1791	883.7	07/09/10	WG	Specific Conductance	151	µS/cm	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Specific Conductance	146	µS/cm	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Specific Conductance	159	µS/cm	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Specific Conductance	152	µS/cm	CAMO-10-3147
R-34	1791	883.7	11/09/10	WG	Temperature	20.99	deg C	CAMO-11-1302
R-34	1791	883.7	07/09/10	WG	Temperature	23.52	deg C	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Temperature	22.23	deg C	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Temperature	20.45	deg C	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Temperature	21.17	deg C	CAMO-10-3147
R-34	1791	883.7	11/09/10	WG	Turbidity	1.89	NTU	CAMO-11-1302
R-34	1791	883.7	07/09/10	WG	Turbidity	2.81	NTU	CAMO-10-22881
R-34	1791	883.7	05/06/10	WG	Turbidity	3.87	NTU	CAMO-10-16837
R-34	1791	883.7	02/10/10	WG	Turbidity	1.7	NTU	CAMO-10-9350
R-34	1791	883.7	11/12/09	WG	Turbidity	2.06	NTU	CAMO-10-3147
R-42	8591	931.8	11/10/10	WG	Dissolved Oxygen	6.55	mg/L	CAMO-11-1273
R-42	8591	931.8	07/13/10	WG	Dissolved Oxygen	6.13	mg/L	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Dissolved Oxygen	6.38	mg/L	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Dissolved Oxygen	6.68	mg/L	CAMO-10-3218
R-42	8591	931.8	11/10/10	WG	Oxidation Reduction Potential	300.4	mV	CAMO-11-1273
R-42	8591	931.8	07/13/10	WG	Oxidation Reduction Potential	406.6	mV	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Oxidation Reduction Potential	408.5	mV	CAMO-10-16822

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/10/10	WG	pH	7.47	SU	CAMO-11-1273
R-42	8591	931.8	07/13/10	WG	pH	7.18	SU	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	pH	7.36	SU	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	pH	7.39	SU	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	pH	7.39	SU	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	pH	7.92	SU	CAMO-10-3218
R-42	8591	931.8	11/10/10	WG	Specific Conductance	466	µS/cm	CAMO-11-1273
R-42	8591	931.8	07/13/10	WG	Specific Conductance	471	µS/cm	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Specific Conductance	456	µS/cm	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Specific Conductance	462	µS/cm	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Specific Conductance	462	µS/cm	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Specific Conductance	452	µS/cm	CAMO-10-3218
R-42	8591	931.8	11/10/10	WG	Temperature	19.42	deg C	CAMO-11-1273
R-42	8591	931.8	07/13/10	WG	Temperature	21.1	deg C	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Temperature	19.72	deg C	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Temperature	18	deg C	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Temperature	18	deg C	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Temperature	19.75	deg C	CAMO-10-3218
R-42	8591	931.8	11/10/10	WG	Turbidity	1.22	NTU	CAMO-11-1273
R-42	8591	931.8	07/13/10	WG	Turbidity	1.32	NTU	CAMO-10-22891
R-42	8591	931.8	05/13/10	WG	Turbidity	1.42	NTU	CAMO-10-16822
R-42	8591	931.8	02/10/10	WG	Turbidity	1.59	NTU	CAMO-10-9739
R-42	8591	931.8	02/10/10	WG	Turbidity	1.59	NTU	CAMO-10-9357
R-42	8591	931.8	11/05/09	WG	Turbidity	1.69	NTU	CAMO-10-3218

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	8671	895	11/18/10	WG	Dissolved Oxygen	3.87	mg/L	CAMO-11-1276
R-44	8671	895	07/14/10	WG	Dissolved Oxygen	3.25	mg/L	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Dissolved Oxygen	3.33	mg/L	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Dissolved Oxygen	4.99	mg/L	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Dissolved Oxygen	5.75	mg/L	CAMO-10-3225
R-44	8671	895	11/18/10	WG	Oxidation Reduction Potential	259	mV	CAMO-11-1276
R-44	8671	895	07/14/10	WG	Oxidation Reduction Potential	393.4	mV	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Oxidation Reduction Potential	46.3	mV	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Oxidation Reduction Potential	314.6	mV	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Oxidation Reduction Potential	142.2	mV	CAMO-10-3225
R-44	8671	895	11/18/10	WG	pH	7.67	SU	CAMO-11-1276
R-44	8671	895	07/14/10	WG	pH	7.53	SU	CAMO-10-22866
R-44	8671	895	05/04/10	WG	pH	7.36	SU	CAMO-10-16840
R-44	8671	895	02/10/10	WG	pH	7.67	SU	CAMO-10-9370
R-44	8671	895	11/13/09	WG	pH	7.47	SU	CAMO-10-3225
R-44	8671	895	11/18/10	WG	Specific Conductance	130	µS/cm	CAMO-11-1276
R-44	8671	895	07/14/10	WG	Specific Conductance	138	µS/cm	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Specific Conductance	128	µS/cm	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Specific Conductance	139	µS/cm	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Specific Conductance	133	µS/cm	CAMO-10-3225
R-44	8671	895	11/18/10	WG	Temperature	20.5	deg C	CAMO-11-1276
R-44	8671	895	07/14/10	WG	Temperature	22.29	deg C	CAMO-10-22866
R-44	8671	895	05/04/10	WG	Temperature	21.64	deg C	CAMO-10-16840
R-44	8671	895	02/10/10	WG	Temperature	19.76	deg C	CAMO-10-9370
R-44	8671	895	11/13/09	WG	Temperature	19.69	deg C	CAMO-10-3225
R-44	8671	895	11/18/10	WG	Turbidity	0.67	NTU	CAMO-11-1276
R-44	8671	895	07/14/10	WG	Turbidity	1.13	NTU	CAMO-10-22866

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	8681	985.3	11/18/10	WG	Dissolved Oxygen	5.32	mg/L	CAMO-11-1278
R-44	8681	985.3	07/14/10	WG	Dissolved Oxygen	5.11	mg/L	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Dissolved Oxygen	5.64	mg/L	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Dissolved Oxygen	5.73	mg/L	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Dissolved Oxygen	5.3	mg/L	CAMO-10-3228
R-44	8681	985.3	11/18/10	WG	Oxidation Reduction Potential	270.6	mV	CAMO-11-1278
R-44	8681	985.3	07/14/10	WG	Oxidation Reduction Potential	369.5	mV	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Oxidation Reduction Potential	57.1	mV	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Oxidation Reduction Potential	26.01	mV	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Oxidation Reduction Potential	140	mV	CAMO-10-3228
R-44	8681	985.3	11/18/10	WG	pH	7.75	SU	CAMO-11-1278
R-44	8681	985.3	07/14/10	WG	pH	7.64	SU	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	pH	7.47	SU	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	pH	7.84	SU	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	pH	7.63	SU	CAMO-10-3228
R-44	8681	985.3	11/18/10	WG	Specific Conductance	146	µS/cm	CAMO-11-1278
R-44	8681	985.3	07/14/10	WG	Specific Conductance	151	µS/cm	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Specific Conductance	136	µS/cm	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Specific Conductance	151	µS/cm	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Specific Conductance	138	µS/cm	CAMO-10-3228
R-44	8681	985.3	11/18/10	WG	Temperature	20.48	deg C	CAMO-11-1278
R-44	8681	985.3	07/14/10	WG	Temperature	23.4	deg C	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Temperature	20.85	deg C	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Temperature	19.56	deg C	CAMO-10-9373

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-44	8681	985.3	11/13/09	WG	Temperature	19.64	deg C	CAMO-10-3228
R-44	8681	985.3	11/18/10	WG	Turbidity	0.3	NTU	CAMO-11-1278
R-44	8681	985.3	07/14/10	WG	Turbidity	0.77	NTU	CAMO-10-22868
R-44	8681	985.3	05/04/10	WG	Turbidity	0.28	NTU	CAMO-10-16843
R-44	8681	985.3	02/10/10	WG	Turbidity	0.74	NTU	CAMO-10-9373
R-44	8681	985.3	11/13/09	WG	Turbidity	0.76	NTU	CAMO-10-3228
R-45	8721	880	11/19/10	WG	Dissolved Oxygen	5.36	mg/L	CAMO-11-1279
R-45	8721	880	07/02/10	WG	Dissolved Oxygen	6.13	mg/L	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Dissolved Oxygen	5.8	mg/L	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Dissolved Oxygen	6.02	mg/L	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Dissolved Oxygen	5.95	mg/L	CAMO-09-10254
R-45	8721	880	11/19/10	WG	Oxidation Reduction Potential	206.9	mV	CAMO-11-1279
R-45	8721	880	07/02/10	WG	Oxidation Reduction Potential	125.7	mV	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Oxidation Reduction Potential	26.2	mV	CAMO-10-16825
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	11/19/10	WG	pH	7.66	SU	CAMO-11-1279
R-45	8721	880	07/02/10	WG	pH	7.62	SU	CAMO-10-22877
R-45	8721	880	05/13/10	WG	pH	7.48	SU	CAMO-10-16825
R-45	8721	880	11/16/09	WG	pH	7.67	SU	CAMO-10-3231
R-45	8721	880	11/19/10	WG	Specific Conductance	174	µS/cm	CAMO-11-1279
R-45	8721	880	07/02/10	WG	Specific Conductance	161	µS/cm	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Specific Conductance	169	µS/cm	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Specific Conductance	171	µS/cm	CAMO-10-3231
R-45	8721	880	11/19/10	WG	Temperature	18.95	deg C	CAMO-11-1279
R-45	8721	880	07/02/10	WG	Temperature	21.8	deg C	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Temperature	20.23	deg C	CAMO-10-16825

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/19/10	WG	Turbidity	0.49	NTU	CAMO-11-1279
R-45	8721	880	07/02/10	WG	Turbidity	0.87	NTU	CAMO-10-22877
R-45	8721	880	05/13/10	WG	Turbidity	0.41	NTU	CAMO-10-16825
R-45	8721	880	11/16/09	WG	Turbidity	0.68	NTU	CAMO-10-3231
R-45	8721	880	08/19/09	WG	Turbidity	1.23	NTU	CAMO-09-10254
R-45	8731	974.9	11/19/10	WG	Dissolved Oxygen	5.36	mg/L	CAMO-11-1282
R-45	8731	974.9	07/02/10	WG	Dissolved Oxygen	4.56	mg/L	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Dissolved Oxygen	6.22	mg/L	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Dissolved Oxygen	5.55	mg/L	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Dissolved Oxygen	5.84	mg/L	CAMO-10-3234
R-45	8731	974.9	11/19/10	WG	Oxidation Reduction Potential	185.2	mV	CAMO-11-1282
R-45	8731	974.9	07/02/10	WG	Oxidation Reduction Potential	73.3	mV	CAMO-10-22874
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	11/19/10	WG	pH	8.04	SU	CAMO-11-1282
R-45	8731	974.9	07/02/10	WG	pH	7.9	SU	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	pH	7.82	SU	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	pH	7.51	SU	CAMO-10-9384
R-45	8731	974.9	11/19/10	WG	Specific Conductance	170	µS/cm	CAMO-11-1282
R-45	8731	974.9	07/02/10	WG	Specific Conductance	160	µS/cm	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Specific Conductance	162	µS/cm	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Specific Conductance	162	µS/cm	CAMO-10-9384
R-45	8731	974.9	11/19/10	WG	Temperature	19.78	deg C	CAMO-11-1282
R-45	8731	974.9	07/02/10	WG	Temperature	24.78	deg C	CAMO-10-22874

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/19/10	WG	Turbidity	0.62	NTU	CAMO-11-1282
R-45	8731	974.9	07/02/10	WG	Turbidity	0.77	NTU	CAMO-10-22874
R-45	8731	974.9	05/14/10	WG	Turbidity	0.58	NTU	CAMO-10-16828
R-45	8731	974.9	01/27/10	WG	Turbidity	0.63	NTU	CAMO-10-9384
R-45	8731	974.9	11/16/09	WG	Turbidity	0.62	NTU	CAMO-10-3234
R-46	8741	1340	11/12/10	WG	Dissolved Oxygen	5.49	mg/L	CAMO-11-1285
R-46	8741	1340	07/01/10	WG	Dissolved Oxygen	6.02	mg/L	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Dissolved Oxygen	5.01	mg/L	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Dissolved Oxygen	5.81	mg/L	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Dissolved Oxygen	6.76	mg/L	CAMO-10-3236
R-46	8741	1340	11/12/10	WG	Oxidation Reduction Potential	179.6	mV	CAMO-11-1285
R-46	8741	1340	07/01/10	WG	Oxidation Reduction Potential	96.1	mV	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Oxidation Reduction Potential	25.2	mV	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Oxidation Reduction Potential	48.6	mV	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Oxidation Reduction Potential	65.7	mV	CAMO-10-3236
R-46	8741	1340	11/12/10	WG	pH	7.9	SU	CAMO-11-1285
R-46	8741	1340	07/01/10	WG	pH	7.88	SU	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	pH	7.51	SU	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	pH	7.76	SU	CAMO-10-9358
R-46	8741	1340	11/12/10	WG	Specific Conductance	126	µS/cm	CAMO-11-1285
R-46	8741	1340	07/01/10	WG	Specific Conductance	124	µS/cm	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Specific Conductance	117	µS/cm	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Specific Conductance	123	µS/cm	CAMO-10-9358
R-46	8741	1340	11/12/10	WG	Temperature	19.77	deg C	CAMO-11-1285

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-46	8741	1340	07/01/10	WG	Temperature	21.92	deg C	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Temperature	20.99	deg C	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Temperature	17.44	deg C	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Temperature	20.58	deg C	CAMO-10-3236
R-46	8741	1340	11/12/10	WG	Turbidity	1.56	NTU	CAMO-11-1285
R-46	8741	1340	07/01/10	WG	Turbidity	2.04	NTU	CAMO-10-22890
R-46	8741	1340	05/07/10	WG	Turbidity	0.9	NTU	CAMO-10-16830
R-46	8741	1340	02/05/10	WG	Turbidity	2.07	NTU	CAMO-10-9358
R-46	8741	1340	11/13/09	WG	Turbidity	1.3	NTU	CAMO-10-3236
R-50	9021	1077	11/16/10	WG	Dissolved Oxygen	4.19	mg/L	CAMO-11-1312
R-50	9021	1077	07/02/10	WG	Dissolved Oxygen	4.23	mg/L	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Dissolved Oxygen	4.26	mg/L	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Dissolved Oxygen	5.78	mg/L	CAMO-10-13852
R-50	9021	1077	11/16/10	WG	Oxidation Reduction Potential	194.7	mV	CAMO-11-1312
R-50	9021	1077	07/02/10	WG	Oxidation Reduction Potential	77.4	mV	CAMO-10-22902
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	11/16/10	WG	pH	7.54	SU	CAMO-11-1312
R-50	9021	1077	07/02/10	WG	pH	7.28	SU	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	pH	7.58	SU	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	pH	7.85	SU	CAMO-10-13852
R-50	9021	1077	11/16/10	WG	Specific Conductance	190	µS/cm	CAMO-11-1312
R-50	9021	1077	07/02/10	WG	Specific Conductance	162	µS/cm	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Specific Conductance	166	µS/cm	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Specific Conductance	174	µS/cm	CAMO-10-13852
R-50	9021	1077	11/16/10	WG	Temperature	19.71	deg C	CAMO-11-1312
R-50	9021	1077	07/02/10	WG	Temperature	21.13	deg C	CAMO-10-22902

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	9021	1077	05/27/10	WG	Temperature	21.67	deg C	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Temperature	20.74	deg C	CAMO-10-13852
R-50	9021	1077	11/16/10	WG	Turbidity	2.43	NTU	CAMO-11-1312
R-50	9021	1077	07/02/10	WG	Turbidity	2.63	NTU	CAMO-10-22902
R-50	9021	1077	05/27/10	WG	Turbidity	3.23	NTU	CAMO-10-17420
R-50	9021	1077	03/06/10	WG	Turbidity	2.02	NTU	CAMO-10-13852
R-50	9011	1185	11/16/10	WG	Dissolved Oxygen	5.63	mg/L	CAMO-11-1316
R-50	9011	1185	07/02/10	WG	Dissolved Oxygen	9.26	mg/L	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Dissolved Oxygen	7.57	mg/L	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Dissolved Oxygen	9.29	mg/L	CAMO-10-13924
R-50	9011	1185	11/16/10	WG	Oxidation Reduction Potential	189.2	mV	CAMO-11-1316
R-50	9011	1185	07/02/10	WG	Oxidation Reduction Potential	171.8	mV	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Oxidation Reduction Potential	116	mV	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Oxidation Reduction Potential	289.1	mV	CAMO-10-13924
R-50	9011	1185	11/16/10	WG	pH	8.03	SU	CAMO-11-1316
R-50	9011	1185	07/02/10	WG	pH	7.82	SU	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	pH	7.61	SU	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	pH	7.45	SU	CAMO-10-13924
R-50	9011	1185	11/16/10	WG	Specific Conductance	144	µS/cm	CAMO-11-1316
R-50	9011	1185	07/02/10	WG	Specific Conductance	159	µS/cm	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Specific Conductance	165	µS/cm	CAMO-10-18979
R-50	9011	1185	03/11/10	WG	Specific Conductance	175	µS/cm	CAMO-10-13924
R-50	9011	1185	11/16/10	WG	Temperature	17.48	deg C	CAMO-11-1316
R-50	9011	1185	07/02/10	WG	Temperature	22.14	deg C	CAMO-10-22907
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	11/16/10	WG	Turbidity	3.03	NTU	CAMO-11-1316

Table A-1 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-50	9011	1185	07/02/10	WG	Turbidity	31.4	NTU	CAMO-10-22907
R-50	9011	1185	05/27/10	WG	Turbidity	17.8	NTU	CAMO-10-18979

[a] — = Not applicable.

[b] WS = Base flow.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

[e] WG = Groundwater.

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

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Middle Sandia Canyon at terminus of persistent baseflow	—[a]	—	11/09/10	WS[b]	Dissolved Oxygen	10.7	mg/L	CASA-11-1332
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	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	—	—	11/09/10	WS	pH	6.87	SU[c]	CASA-11-1332
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	pH	8.54	SU	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	—	—	11/09/10	WS	Specific Conductance	699	µS/cm	CASA-11-1332
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	Specific Conductance	619	µS/cm	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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	Temperature	3.66	deg C	CASA-11-1332
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
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	—	—	11/09/10	WS	Turbidity	0.81	NTU[d]	CASA-11-1332
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	Turbidity	3.75	NTU	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
R-10	6381	874	11/17/10	WG[e]	Dissolved Oxygen	4.87	mg/L	CASA-11-1365
R-10	6381	874	07/08/10	WG	Dissolved Oxygen	5.11	mg/L	CASA-10-22713
R-10	6381	874	05/05/10	WG	Dissolved Oxygen	5.38	mg/L	CASA-10-16767
R-10	6381	874	02/09/10	WG	Dissolved Oxygen	5.48	mg/L	CASA-10-9475
R-10	6381	874	11/10/09	WG	Dissolved Oxygen	5.54	mg/L	CASA-10-3704
R-10	6381	874	11/17/10	WG	Oxidation Reduction Potential	161	mV	CASA-11-1365
R-10	6381	874	07/08/10	WG	Oxidation Reduction Potential	55.6	mV	CASA-10-22713
R-10	6381	874	05/05/10	WG	Oxidation Reduction Potential	175.5	mV	CASA-10-16767
R-10	6381	874	02/09/10	WG	Oxidation Reduction Potential	153.1	mV	CASA-10-9475
R-10	6381	874	11/10/09	WG	Oxidation Reduction Potential	82.9	mV	CASA-10-3704

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10	6381	874	11/17/10	WG	pH	7.99	SU	CASA-11-1365
R-10	6381	874	07/08/10	WG	pH	7.78	SU	CASA-10-22713
R-10	6381	874	05/05/10	WG	pH	8.11	SU	CASA-10-16767
R-10	6381	874	02/09/10	WG	pH	7.98	SU	CASA-10-9475
R-10	6381	874	11/17/10	WG	Specific Conductance	184	µS/cm	CASA-11-1365
R-10	6381	874	07/08/10	WG	Specific Conductance	178	µS/cm	CASA-10-22713
R-10	6381	874	05/05/10	WG	Specific Conductance	171	µS/cm	CASA-10-16767
R-10	6381	874	02/09/10	WG	Specific Conductance	174	µS/cm	CASA-10-9475
R-10	6381	874	11/17/10	WG	Temperature	23.7	deg C	CASA-11-1365
R-10	6381	874	07/08/10	WG	Temperature	23.58	deg C	CASA-10-22713
R-10	6381	874	05/05/10	WG	Temperature	24.33	deg C	CASA-10-16767
R-10	6381	874	02/09/10	WG	Temperature	21	deg C	CASA-10-9475
R-10	6381	874	11/10/09	WG	Temperature	23.18	deg C	CASA-10-3704
R-10	6381	874	11/17/10	WG	Turbidity	0.35	NTU	CASA-11-1365
R-10	6381	874	07/08/10	WG	Turbidity	0.44	NTU	CASA-10-22713
R-10	6381	874	05/05/10	WG	Turbidity	0.82	NTU	CASA-10-16767
R-10	6381	874	02/09/10	WG	Turbidity	0.5	NTU	CASA-10-9475
R-10	6381	874	11/10/09	WG	Turbidity	0.51	NTU	CASA-10-3704
R-10	6391	1042	11/17/10	WG	Dissolved Oxygen	5.36	mg/L	CASA-11-1367
R-10	6391	1042	07/08/10	WG	Dissolved Oxygen	5.02	mg/L	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Dissolved Oxygen	5.42	mg/L	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Dissolved Oxygen	5.54	mg/L	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Dissolved Oxygen	4.67	mg/L	CASA-10-3707
R-10	6391	1042	11/17/10	WG	Oxidation Reduction Potential	285.3	mV	CASA-11-1367
R-10	6391	1042	07/08/10	WG	Oxidation Reduction Potential	54.6	mV	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Oxidation Reduction Potential	161.9	mV	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Oxidation Reduction Potential	119	mV	CASA-10-9479

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10	6391	1042	11/10/09	WG	Oxidation Reduction Potential	89.9	mV	CASA-10-3707
R-10	6391	1042	11/17/10	WG	pH	7.99	SU	CASA-11-1367
R-10	6391	1042	07/08/10	WG	pH	7.78	SU	CASA-10-22718
R-10	6391	1042	05/05/10	WG	pH	8.03	SU	CASA-10-16771
R-10	6391	1042	02/09/10	WG	pH	8.02	SU	CASA-10-9479
R-10	6391	1042	11/10/09	WG	pH	7.92	SU	CASA-10-3707
R-10	6391	1042	11/17/10	WG	Specific Conductance	202	µS/cm	CASA-11-1367
R-10	6391	1042	07/08/10	WG	Specific Conductance	178	µS/cm	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Specific Conductance	184	µS/cm	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Specific Conductance	186	µS/cm	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Specific Conductance	195	µS/cm	CASA-10-3707
R-10	6391	1042	11/17/10	WG	Temperature	24.05	deg C	CASA-11-1367
R-10	6391	1042	07/08/10	WG	Temperature	23.92	deg C	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Temperature	24.52	deg C	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Temperature	23.81	deg C	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Temperature	22.88	deg C	CASA-10-3707
R-10	6391	1042	11/17/10	WG	Turbidity	1.1	NTU	CASA-11-1367
R-10	6391	1042	07/08/10	WG	Turbidity	0.23	NTU	CASA-10-22718
R-10	6391	1042	05/05/10	WG	Turbidity	0.78	NTU	CASA-10-16771
R-10	6391	1042	02/09/10	WG	Turbidity	0.41	NTU	CASA-10-9479
R-10	6391	1042	11/10/09	WG	Turbidity	2.81	NTU	CASA-10-3707
R-10a	6371	690	11/09/10	WG	Dissolved Oxygen	5.86	mg/L	CASA-11-1368
R-10a	6371	690	07/08/10	WG	Dissolved Oxygen	5.42	mg/L	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Dissolved Oxygen	6.18	mg/L	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Dissolved Oxygen	5	mg/L	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Dissolved Oxygen	5.49	mg/L	CASA-10-3710
R-10a	6371	690	11/09/10	WG	Oxidation Reduction Potential	436.7	mV	CASA-11-1368

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-10a	6371	690	07/08/10	WG	Oxidation Reduction Potential	468.9	mV	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Oxidation Reduction Potential	78.6	mV	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Oxidation Reduction Potential	266.3	mV	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Oxidation Reduction Potential	194.9	mV	CASA-10-3710
R-10a	6371	690	11/09/10	WG	pH	7.87	SU	CASA-11-1368
R-10a	6371	690	07/08/10	WG	pH	7.62	SU	CASA-10-22719
R-10a	6371	690	05/05/10	WG	pH	7.65	SU	CASA-10-16773
R-10a	6371	690	02/09/10	WG	pH	7.88	SU	CASA-10-9456
R-10a	6371	690	11/10/09	WG	pH	7.79	SU	CASA-10-3710
R-10a	6371	690	11/09/10	WG	Specific Conductance	230	µS/cm	CASA-11-1368
R-10a	6371	690	07/08/10	WG	Specific Conductance	250	µS/cm	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Specific Conductance	232	µS/cm	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Specific Conductance	231	µS/cm	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Specific Conductance	235	µS/cm	CASA-10-3710
R-10a	6371	690	11/09/10	WG	Temperature	20.83	deg C	CASA-11-1368
R-10a	6371	690	07/08/10	WG	Temperature	21.47	deg C	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Temperature	22	deg C	CASA-10-16773
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	11/09/10	WG	Turbidity	0.44	NTU	CASA-11-1368
R-10a	6371	690	07/08/10	WG	Turbidity	0.89	NTU	CASA-10-22719
R-10a	6371	690	05/05/10	WG	Turbidity	0.21	NTU	CASA-10-16773
R-10a	6371	690	02/09/10	WG	Turbidity	0.53	NTU	CASA-10-9456
R-10a	6371	690	11/10/09	WG	Turbidity	0.74	NTU	CASA-10-3710
R-11	5531	855	11/11/10	WG	Dissolved Oxygen	5.98	mg/L	CASA-11-1371
R-11	5531	855	07/08/10	WG	Dissolved Oxygen	4.98	mg/L	CASA-10-22657
R-11	5531	855	05/05/10	WG	Dissolved Oxygen	6.03	mg/L	CASA-10-16778

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/11/10	WG	Oxidation Reduction Potential	275.5	mV	CASA-11-1371
R-11	5531	855	07/08/10	WG	Oxidation Reduction Potential	442.6	mV	CASA-10-22657
R-11	5531	855	05/05/10	WG	Oxidation Reduction Potential	64.4	mV	CASA-10-16778
R-11	5531	855	01/29/10	WG	Oxidation Reduction Potential	311.7	mV	CASA-10-9459
R-11	5531	855	11/18/09	WG	Oxidation Reduction Potential	134.6	mV	CASA-10-3714
R-11	5531	855	11/11/10	WG	pH	7.86	SU	CASA-11-1371
R-11	5531	855	07/08/10	WG	pH	7.67	SU	CASA-10-22657
R-11	5531	855	05/05/10	WG	pH	7.73	SU	CASA-10-16778
R-11	5531	855	01/29/10	WG	pH	7.6	SU	CASA-10-9459
R-11	5531	855	11/18/09	WG	pH	7.59	SU	CASA-10-3714
R-11	5531	855	11/11/10	WG	Specific Conductance	219	µS/cm	CASA-11-1371
R-11	5531	855	07/08/10	WG	Specific Conductance	231	µS/cm	CASA-10-22657
R-11	5531	855	05/05/10	WG	Specific Conductance	215	µS/cm	CASA-10-16778
R-11	5531	855	01/29/10	WG	Specific Conductance	199	µS/cm	CASA-10-9459
R-11	5531	855	11/18/09	WG	Specific Conductance	218	µS/cm	CASA-10-3714
R-11	5531	855	11/11/10	WG	Temperature	20.36	deg C	CASA-11-1371
R-11	5531	855	07/08/10	WG	Temperature	22.21	deg C	CASA-10-22657
R-11	5531	855	05/05/10	WG	Temperature	22.54	deg C	CASA-10-16778
R-11	5531	855	01/29/10	WG	Temperature	20.92	deg C	CASA-10-9459
R-11	5531	855	11/18/09	WG	Temperature	21.67	deg C	CASA-10-3714
R-11	5531	855	11/11/10	WG	Turbidity	0.23	NTU	CASA-11-1371
R-11	5531	855	07/08/10	WG	Turbidity	0.34	NTU	CASA-10-22657
R-11	5531	855	05/05/10	WG	Turbidity	0.42	NTU	CASA-10-16778
R-11	5531	855	01/29/10	WG	Turbidity	0.21	NTU	CASA-10-9459
R-11	5531	855	11/18/09	WG	Turbidity	0.16	NTU	CASA-10-3714

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-12	8401	459	11/17/10	WG	Dissolved Oxygen	0.45	mg/L	CASA-11-1356
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	11/17/10	WG	Oxidation Reduction Potential	-174.2	mV	CASA-11-1356
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
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	11/17/10	WG	pH	8.14	SU	CASA-11-1356
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	11/17/10	WG	Specific Conductance	237	µS/cm	CASA-11-1356
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	11/17/10	WG	Temperature	17.7	deg C	CASA-11-1356
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	11/17/10	WG	Turbidity	0.58	NTU	CASA-11-1356
R-12	8401	459	05/05/10	WG	Turbidity	0.57	NTU	CASA-10-16747

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	8411	504.5	11/17/10	WG	Dissolved Oxygen	3.27	mg/L	CASA-11-1359
R-12	8411	504.5	05/17/10	WG	Dissolved Oxygen	2.79	mg/L	CASA-10-16749
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	11/17/10	WG	Oxidation Reduction Potential	5.1	mV	CASA-11-1359
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	11/17/10	WG	pH	8.25	SU	CASA-11-1359
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	11/17/10	WG	Specific Conductance	170	µS/cm	CASA-11-1359
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	11/17/10	WG	Temperature	19.2	deg C	CASA-11-1359
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-12	8411	504.5	08/05/09	WG	Temperature	22.98	deg C	CASA-09-10383
R-12	8411	504.5	11/17/10	WG	Turbidity	0.38	NTU	CASA-11-1359
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-35a	8331	1013.1	11/11/10	WG	Dissolved Oxygen	3.99	mg/L	CASA-11-1373
R-35a	8331	1013.1	07/07/10	WG	Dissolved Oxygen	3.95	mg/L	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Dissolved Oxygen	4.87	mg/L	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Dissolved Oxygen	6.23	mg/L	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Dissolved Oxygen	4.69	mg/L	CASA-10-3827
R-35a	8331	1013.1	11/11/10	WG	Oxidation Reduction Potential	107.9	mV	CASA-11-1373
R-35a	8331	1013.1	07/07/10	WG	Oxidation Reduction Potential	355.7	mV	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Oxidation Reduction Potential	274.6	mV	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Oxidation Reduction Potential	223.6	mV	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Oxidation Reduction Potential	154.8	mV	CASA-10-3827
R-35a	8331	1013.1	11/11/10	WG	pH	7.81	SU	CASA-11-1373
R-35a	8331	1013.1	07/07/10	WG	pH	7.6	SU	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	pH	7.6	SU	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	pH	7.57	SU	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	pH	7.56	SU	CASA-10-3827
R-35a	8331	1013.1	11/11/10	WG	Specific Conductance	242	µS/cm	CASA-11-1373
R-35a	8331	1013.1	07/07/10	WG	Specific Conductance	255	µS/cm	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Specific Conductance	233	µS/cm	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Specific Conductance	242	µS/cm	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Specific Conductance	253	µS/cm	CASA-10-3827
R-35a	8331	1013.1	11/11/10	WG	Temperature	22.61	deg C	CASA-11-1373

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-35a	8331	1013.1	07/07/10	WG	Temperature	25.13	deg C	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Temperature	22.4	deg C	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Temperature	20.81	deg C	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Temperature	22.68	deg C	CASA-10-3827
R-35a	8331	1013.1	11/11/10	WG	Turbidity	0.88	NTU	CASA-11-1373
R-35a	8331	1013.1	07/07/10	WG	Turbidity	1.59	NTU	CASA-10-22660
R-35a	8331	1013.1	05/14/10	WG	Turbidity	0.84	NTU	CASA-10-16779
R-35a	8331	1013.1	02/11/10	WG	Turbidity	1.44	NTU	CASA-10-9464
R-35a	8331	1013.1	11/04/09	WG	Turbidity	1.23	NTU	CASA-10-3827
R-35b	8351	825.4	11/11/10	WG	Dissolved Oxygen	5.13	mg/L	CASA-11-1374
R-35b	8351	825.4	07/13/10	WG	Dissolved Oxygen	5.97	mg/L	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Dissolved Oxygen	5.94	mg/L	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Dissolved Oxygen	7.41	mg/L	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Dissolved Oxygen	6.17	mg/L	CASA-10-3830
R-35b	8351	825.4	11/11/10	WG	Oxidation Reduction Potential	119.5	mV	CASA-11-1374
R-35b	8351	825.4	07/13/10	WG	Oxidation Reduction Potential	78	mV	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Oxidation Reduction Potential	384.5	mV	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Oxidation Reduction Potential	261.7	mV	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Oxidation Reduction Potential	220.6	mV	CASA-10-3830
R-35b	8351	825.4	11/11/10	WG	pH	7.54	SU	CASA-11-1374
R-35b	8351	825.4	07/13/10	WG	pH	7.34	SU	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	pH	7.59	SU	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	pH	7.5	SU	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	pH	7.53	SU	CASA-10-3830
R-35b	8351	825.4	11/11/10	WG	Specific Conductance	170	µS/cm	CASA-11-1374
R-35b	8351	825.4	07/13/10	WG	Specific Conductance	156	µS/cm	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Specific Conductance	153	µS/cm	CASA-10-16783

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/11/10	WG	Temperature	21.27	deg C	CASA-11-1374
R-35b	8351	825.4	07/13/10	WG	Temperature	22.41	deg C	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Temperature	20.31	deg C	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Temperature	17.73	deg C	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Temperature	21.8	deg C	CASA-10-3830
R-35b	8351	825.4	11/11/10	WG	Turbidity	0.8	NTU	CASA-11-1374
R-35b	8351	825.4	07/13/10	WG	Turbidity	0.77	NTU	CASA-10-22663
R-35b	8351	825.4	05/12/10	WG	Turbidity	1.55	NTU	CASA-10-16783
R-35b	8351	825.4	02/11/10	WG	Turbidity	1.08	NTU	CASA-10-9469
R-35b	8351	825.4	11/03/09	WG	Turbidity	1.19	NTU	CASA-10-3830
R-36	8431	766.9	11/11/10	WG	Dissolved Oxygen	5.14	mg/L	CASA-11-1376
R-36	8431	766.9	07/12/10	WG	Dissolved Oxygen	4.82	mg/L	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Dissolved Oxygen	5.03	mg/L	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Dissolved Oxygen	4.85	mg/L	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Dissolved Oxygen	5.29	mg/L	CASA-10-3834
R-36	8431	766.9	11/11/10	WG	Oxidation Reduction Potential	247.6	mV	CASA-11-1376
R-36	8431	766.9	07/12/10	WG	Oxidation Reduction Potential	389.9	mV	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Oxidation Reduction Potential	767.8	mV	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Oxidation Reduction Potential	206.4	mV	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Oxidation Reduction Potential	155.4	mV	CASA-10-3834
R-36	8431	766.9	11/11/10	WG	pH	7.46	SU	CASA-11-1376
R-36	8431	766.9	07/12/10	WG	pH	7.05	SU	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	pH	7.22	SU	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	pH	7.27	SU	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	pH	7.12	SU	CASA-10-3834

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-36	8431	766.9	11/11/10	WG	Specific Conductance	194	µS/cm	CASA-11-1376
R-36	8431	766.9	07/12/10	WG	Specific Conductance	202	µS/cm	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Specific Conductance	176	µS/cm	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Specific Conductance	198	µS/cm	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Specific Conductance	200	µS/cm	CASA-10-3834
R-36	8431	766.9	11/11/10	WG	Temperature	16	deg C	CASA-11-1376
R-36	8431	766.9	07/12/10	WG	Temperature	21.55	deg C	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Temperature	20.72	deg C	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Temperature	19.02	deg C	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Temperature	20.8	deg C	CASA-10-3834
R-36	8431	766.9	11/11/10	WG	Turbidity	1.08	NTU	CASA-11-1376
R-36	8431	766.9	07/12/10	WG	Turbidity	1.01	NTU	CASA-10-22702
R-36	8431	766.9	05/12/10	WG	Turbidity	1.75	NTU	CASA-10-16793
R-36	8431	766.9	02/04/10	WG	Turbidity	1.85	NTU	CASA-10-9493
R-36	8431	766.9	11/04/09	WG	Turbidity	0.73	NTU	CASA-10-3834
R-43	8651	903.9	11/16/10	WG	Dissolved Oxygen	5.84	mg/L	CASA-11-1379
R-43	8651	903.9	07/15/10	WG	Dissolved Oxygen	5.17	mg/L	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Dissolved Oxygen	6.09	mg/L	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Dissolved Oxygen	6.21	mg/L	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Dissolved Oxygen	5.59	mg/L	CASA-10-3858
R-43	8651	903.9	11/16/10	WG	Oxidation Reduction Potential	141.8	mV	CASA-11-1379
R-43	8651	903.9	07/15/10	WG	Oxidation Reduction Potential	125.3	mV	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Oxidation Reduction Potential	150.2	mV	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Oxidation Reduction Potential	99.3	mV	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Oxidation Reduction Potential	115.3	mV	CASA-10-3858
R-43	8651	903.9	11/16/10	WG	pH	8.06	SU	CASA-11-1379
R-43	8651	903.9	07/15/10	WG	pH	8.08	SU	CASA-10-22705

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/16/10	WG	Specific Conductance	175	µS/cm	CASA-11-1379
R-43	8651	903.9	07/15/10	WG	Specific Conductance	155	µS/cm	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Specific Conductance	173	µS/cm	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Specific Conductance	165	µS/cm	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Specific Conductance	177	µS/cm	CASA-10-3858
R-43	8651	903.9	11/16/10	WG	Temperature	19.26	deg C	CASA-11-1379
R-43	8651	903.9	07/15/10	WG	Temperature	20.48	deg C	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Temperature	20.07	deg C	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Temperature	19.77	deg C	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Temperature	19.35	deg C	CASA-10-3858
R-43	8651	903.9	11/16/10	WG	Turbidity	0.64	NTU	CASA-11-1379
R-43	8651	903.9	07/15/10	WG	Turbidity	0.81	NTU	CASA-10-22705
R-43	8651	903.9	05/10/10	WG	Turbidity	1.71	NTU	CASA-10-16795
R-43	8651	903.9	02/02/10	WG	Turbidity	0.61	NTU	CASA-10-9484
R-43	8651	903.9	11/19/09	WG	Turbidity	1.5	NTU	CASA-10-3858
R-43	8661	969.1	11/16/10	WG	Dissolved Oxygen	2.51	mg/L	CASA-11-1380
R-43	8661	969.1	07/15/10	WG	Dissolved Oxygen	1.81	mg/L	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Dissolved Oxygen	2.42	mg/L	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Dissolved Oxygen	2.09	mg/L	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Dissolved Oxygen	2.49	mg/L	CASA-10-3861
R-43	8661	969.1	11/16/10	WG	Oxidation Reduction Potential	76.5	mV	CASA-11-1380
R-43	8661	969.1	07/15/10	WG	Oxidation Reduction Potential	105.9	mV	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Oxidation Reduction Potential	164.2	mV	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Oxidation Reduction Potential	78.1	mV	CASA-10-9486

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
R-43	8661	969.1	11/19/09	WG	Oxidation Reduction Potential	17.2	mV	CASA-10-3861
R-43	8661	969.1	11/16/10	WG	pH	8.56	SU	CASA-11-1380
R-43	8661	969.1	07/15/10	WG	pH	8.55	SU	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	pH	8.43	SU	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	pH	8.48	SU	CASA-10-9486
R-43	8661	969.1	11/16/10	WG	Specific Conductance	191	µS/cm	CASA-11-1380
R-43	8661	969.1	07/15/10	WG	Specific Conductance	121	µS/cm	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Specific Conductance	188	µS/cm	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Specific Conductance	164	µS/cm	CASA-10-9486
R-43	8661	969.1	11/16/10	WG	Temperature	18.47	deg C	CASA-11-1380
R-43	8661	969.1	07/15/10	WG	Temperature	20.48	deg C	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Temperature	19.13	deg C	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Temperature	18.71	deg C	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Temperature	19.06	deg C	CASA-10-3861
R-43	8661	969.1	11/16/10	WG	Turbidity	0.42	NTU	CASA-11-1380
R-43	8661	969.1	07/15/10	WG	Turbidity	0.45	NTU	CASA-10-22709
R-43	8661	969.1	05/10/10	WG	Turbidity	4.27	NTU	CASA-10-16799
R-43	8661	969.1	02/02/10	WG	Turbidity	0.67	NTU	CASA-10-9486
R-43	8661	969.1	11/19/09	WG	Turbidity	1.68	NTU	CASA-10-3861
Sandia below Wetlands	—	—	11/11/10	WS	Dissolved Oxygen	10.29	mg/L	CASA-11-1334
Sandia below Wetlands	—	—	07/12/10	WS	Dissolved Oxygen	6.93	mg/L	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Dissolved Oxygen	8.1	mg/L	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Dissolved Oxygen	11.06	mg/L	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Dissolved Oxygen	9.37	mg/L	CASA-10-3595
Sandia below Wetlands	—	—	11/11/10	WS	pH	7.78	SU	CASA-11-1334
Sandia below Wetlands	—	—	07/12/10	WS	pH	7.83	SU	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	pH	7.95	SU	CASA-10-16688

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Sandia below Wetlands	—	—	11/11/10	WS	Specific Conductance	610	µS/cm	CASA-11-1334
Sandia below Wetlands	—	—	07/12/10	WS	Specific Conductance	584	µS/cm	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Specific Conductance	467	µS/cm	CASA-10-16688
Sandia below Wetlands	—	—	11/11/10	WS	Temperature	4.34	deg C	CASA-11-1334
Sandia below Wetlands	—	—	07/12/10	WS	Temperature	19.48	deg C	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Temperature	4.52	deg C	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Temperature	6.63	deg C	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Temperature	10.05	deg C	CASA-10-3595
Sandia below Wetlands	—	—	11/11/10	WS	Turbidity	4.29	NTU	CASA-11-1334
Sandia below Wetlands	—	—	07/12/10	WS	Turbidity	15.5	NTU	CASA-10-22573
Sandia below Wetlands	—	—	05/13/10	WS	Turbidity	9.14	NTU	CASA-10-16688
Sandia below Wetlands	—	—	01/29/10	WS	Turbidity	14.9	NTU	CASA-10-9412
Sandia below Wetlands	—	—	11/04/09	WS	Turbidity	8.53	NTU	CASA-10-3595
Sandia right fork at Power Plant	—	—	11/09/10	WS	Dissolved Oxygen	7.56	mg/L	CASA-11-1337
Sandia right fork at Power Plant	—	—	07/12/10	WS	Dissolved Oxygen	7.37	mg/L	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Dissolved Oxygen	7.28	mg/L	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Dissolved Oxygen	8.62	mg/L	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Dissolved Oxygen	9.4	mg/L	CASA-10-3558
Sandia right fork at Power Plant	—	—	11/09/10	WS	pH	8.23	SU	CASA-11-1337
Sandia right fork at Power Plant	—	—	07/12/10	WS	pH	8.18	SU	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	pH	8.13	SU	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	pH	7.71	SU	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/09/10	WS	Specific Conductance	708	µS/cm	CASA-11-1337
Sandia right fork at Power Plant	—	—	07/12/10	WS	Specific Conductance	603	µS/cm	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Specific Conductance	468	µS/cm	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Specific Conductance	923	µS/cm	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/09/10	WS	Temperature	15.97	deg C	CASA-11-1337

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
Sandia right fork at Power Plant	—	—	07/12/10	WS	Temperature	22.21	deg C	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Temperature	17.39	deg C	CASA-10-16680
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	—	—	11/09/10	WS	Turbidity	1.56	NTU	CASA-11-1337
Sandia right fork at Power Plant	—	—	07/12/10	WS	Turbidity	2.25	NTU	CASA-10-22569
Sandia right fork at Power Plant	—	—	05/07/10	WS	Turbidity	1.87	NTU	CASA-10-16680
Sandia right fork at Power Plant	—	—	02/01/10	WS	Turbidity	4.96	NTU	CASA-10-9111
Sandia right fork at Power Plant	—	—	11/02/09	WS	Turbidity	1.61	NTU	CASA-10-3558
SCA-1-DP	8751	2.16	11/11/10	WG	Dissolved Oxygen	1.89	mg/L	CASA-11-1345
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	11/11/10	WG	Oxidation Reduction Potential	-38.7	mV	CASA-11-1345
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	11/11/10	WG	pH	6.44	SU	CASA-11-1345
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	11/11/10	WG	Specific Conductance	688	µS/cm	CASA-11-1345
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

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCA-1-DP	8751	2.16	11/02/09	WG	Specific Conductance	549	µS/cm	CASA-10-3620
SCA-1-DP	8751	2.16	08/03/09	WG	Specific Conductance	540	µS/cm	CASA-09-10335
SCA-1-DP	8751	2.16	11/11/10	WG	Temperature	6.33	deg C	CASA-11-1345
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	11/11/10	WG	Turbidity	451	NTU	CASA-11-1345
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
SCI-1	8211	358.4	11/16/10	WG	Dissolved Oxygen	9.31	mg/L	CASA-11-1360
SCI-1	8211	358.4	07/12/10	WG	Dissolved Oxygen	8.85	mg/L	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Dissolved Oxygen	9	mg/L	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Dissolved Oxygen	11.43	mg/L	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Dissolved Oxygen	8.15	mg/L	CASA-10-3665
SCI-1	8211	358.4	11/16/10	WG	Oxidation Reduction Potential	188.5	mV	CASA-11-1360
SCI-1	8211	358.4	07/12/10	WG	Oxidation Reduction Potential	466.8	mV	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Oxidation Reduction Potential	219.9	mV	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Oxidation Reduction Potential	274.7	mV	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Oxidation Reduction Potential	369.1	mV	CASA-10-3665
SCI-1	8211	358.4	11/16/10	WG	pH	7.03	SU	CASA-11-1360
SCI-1	8211	358.4	07/12/10	WG	pH	6.85	SU	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	pH	7.25	SU	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	pH	6.59	SU	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	pH	6.74	SU	CASA-10-3665

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
SCI-1	8211	358.4	11/16/10	WG	Specific Conductance	728	µS/cm	CASA-11-1360
SCI-1	8211	358.4	07/12/10	WG	Specific Conductance	736	µS/cm	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Specific Conductance	596	µS/cm	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Specific Conductance	721	µS/cm	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Specific Conductance	716	µS/cm	CASA-10-3665
SCI-1	8211	358.4	11/16/10	WG	Temperature	10.25	deg C	CASA-11-1360
SCI-1	8211	358.4	07/12/10	WG	Temperature	10.87	deg C	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Temperature	10.61	deg C	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Temperature	9.56	deg C	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Temperature	10.64	deg C	CASA-10-3665
SCI-1	8211	358.4	11/16/10	WG	Turbidity	4.26	NTU	CASA-11-1360
SCI-1	8211	358.4	07/12/10	WG	Turbidity	0.95	NTU	CASA-10-22646
SCI-1	8211	358.4	05/07/10	WG	Turbidity	3.15	NTU	CASA-10-16757
SCI-1	8211	358.4	02/05/10	WG	Turbidity	0.98	NTU	CASA-10-9452
SCI-1	8211	358.4	11/18/09	WG	Turbidity	0.88	NTU	CASA-10-3665
SCI-2	8601	548	11/16/10	WG	Dissolved Oxygen	9.31	mg/L	CASA-11-1363
SCI-2	8601	548	07/15/10	WG	Dissolved Oxygen	7.87	mg/L	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Dissolved Oxygen	8.25	mg/L	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Dissolved Oxygen	8.6	mg/L	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Dissolved Oxygen	8.18	mg/L	CASA-10-3716
SCI-2	8601	548	11/16/10	WG	Oxidation Reduction Potential	188.5	mV	CASA-11-1363
SCI-2	8601	548	07/15/10	WG	Oxidation Reduction Potential	506.3	mV	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Oxidation Reduction Potential	244.8	mV	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Oxidation Reduction Potential	337.7	mV	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Oxidation Reduction Potential	242.1	mV	CASA-10-3716
SCI-2	8601	548	11/16/10	WG	pH	7.03	SU	CASA-11-1363
SCI-2	8601	548	07/15/10	WG	pH	7.06	SU	CASA-10-22650

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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	11/16/10	WG	Specific Conductance	728	µS/cm	CASA-11-1363
SCI-2	8601	548	07/15/10	WG	Specific Conductance	597	µS/cm	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Specific Conductance	590	µS/cm	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Specific Conductance	575	µS/cm	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Specific Conductance	546	µS/cm	CASA-10-3716
SCI-2	8601	548	11/16/10	WG	Temperature	10.25	deg C	CASA-11-1363
SCI-2	8601	548	07/15/10	WG	Temperature	15.33	deg C	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Temperature	14.75	deg C	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Temperature	9.48	deg C	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Temperature	13.95	deg C	CASA-10-3716
SCI-2	8601	548	11/16/10	WG	Turbidity	4.26	NTU	CASA-11-1363
SCI-2	8601	548	07/15/10	WG	Turbidity	3.38	NTU	CASA-10-22650
SCI-2	8601	548	05/06/10	WG	Turbidity	3.76	NTU	CASA-10-16763
SCI-2	8601	548	02/08/10	WG	Turbidity	1.99	NTU	CASA-10-9489
SCI-2	8601	548	11/17/09	WG	Turbidity	2.28	NTU	CASA-10-3716
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	Dissolved Oxygen	9.11	mg/L	CASA-11-1342
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Dissolved Oxygen	6.61	mg/L	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Dissolved Oxygen	8.3	mg/L	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Dissolved Oxygen	7.85	mg/L	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Dissolved Oxygen	7.85	mg/L	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Dissolved Oxygen	7.9	mg/L	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	pH	8.42	SU	CASA-11-1342
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	pH	8.39	SU	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	pH	8.71	SU	CASA-10-16683

Table A-2 (continued)

Location	Port	Depth (ft)	Date	Field Matrix	Analyte	Result	Unit	Sample
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
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	—	—	11/09/10	WS	Specific Conductance	659	µS/cm	CASA-11-1342
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Specific Conductance	483	µS/cm	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Specific Conductance	529	µS/cm	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Specific Conductance	826	µS/cm	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Specific Conductance	826	µS/cm	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Specific Conductance	445	µS/cm	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	Temperature	10.25	deg C	CASA-11-1342
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Temperature	22.53	deg C	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Temperature	19.75	deg C	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Temperature	8.67	deg C	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Temperature	8.67	deg C	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Temperature	15.45	deg C	CASA-10-3561
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	Turbidity	1.23	NTU	CASA-11-1342
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	Turbidity	1.93	NTU	CASA-10-22572
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	Turbidity	4.28	NTU	CASA-10-16683
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Turbidity	6.62	NTU	CASA-10-9841
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	Turbidity	6.62	NTU	CASA-10-9406
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	Turbidity	3.07	NTU	CASA-10-3561

[a] — = Not applicable.

[b] WS = Base flow.

[c] SU = Standard unit.

[d] NTU = Nephelometric turbidity unit.

[e] WG = Groundwater.

Appendix B

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

Appendix C

Analytical Chemical Results, Including Results from Previous Four Monitoring Events if Available

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes, (2) analytical laboratory qualifier codes, and (3) secondary validation flag codes that may be used in Appendix C. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the acronyms, abbreviations, symbols, and codes in the lists.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%R	percent recovery
<	Based on qualifiers, the result was a nondetection.
–	none
CB	chlorobiphenyl
CCV	continuing calibration verification
CLP	Control Laboratory Program
CRDL	contract-required detection limit
DCG	Derived Concentration Guide (DOE)
DNX	dinitroso-RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit
LAL	lower acceptance limit
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit
MNX	mononitrosodimethylamine
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Miscellaneous (continued)	
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
SSC	suspended sediment concentration
SU	standard unit
TDS	total dissolved solids
TNX	trinitroso-RDX
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
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.
NA	not applicable
PEB	performance evaluation blank
PEK	performance evaluation known

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
RES	resample
SS	special sampling event, data unique
SS-EQB	equipment blank of special sampling event, data unique
SS-FB	field blank of special sampling event, data unique
SS-FD	field duplicate of special sampling event, data unique
SS-FTB	field trip blank of special sampling event, data unique
Analytical Suite Codes	
ANION	anions
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
GAMMA, GAMMA_SPEC	gamma spectroscopy
Geninorg, GENINORG	general inorganics
GRO	gasoline range organics
GROSSA	gross alpha
GROSSB	gross beta
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
METALS, Metals	metals
PCB	polychlorinated biphenyls
PCB_CONG, PCB Cong	PCB congeners
PEST	pesticides
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry (not gamma)
SVOA	semivolatile organics
SVOC	semivolatile organic compounds
VOA	volatile organics
VOC	volatile organic compounds
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services–Primary
CFA	Cape Fear Analytical, LLC, Wilmington, NC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits.
B	(Organic) —Analyte was 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	See B code, see J code, and see P code.
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 gas chromatography (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.
D	The result for this analyte was reported from a dilution.
DJ	See D code and see J code.
DNA	Did not analyze because equipment was broken.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
E*	See E code and see * code.
EJ	See E code and see J code.
EJ*	See E code, see J code, and see * code.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic [optical] emission spectroscopy [ICPAES])—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption [GFAA])—The result for this analyte failed one or more Control Laboratory Program (CLP) acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (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.
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICPAES)—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.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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 (LCS) analysis was outside acceptance criteria.
HJ	See H code and see J code.
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 from most analytical methods, where a blank is run with 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*	See J code and see * code.
JB	See J code and see B code
JN	See J code and see N code.
JN*	See J code, see N code, and see * code.
JP	See J code and see P code.
N	(Inorganic)—Spiked sample recovery was not within control limits.
N*	See N code and see * code.
N*E	See N code, see * code, and see E code.
NE	See N code and see E code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PJ	See P code and see J code.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
U*	See U code and see * code.
UD	See U code and see D code.
UE	See U code and see E code.
UE*	See U code, see E code, and see * code.
UEN	See U code, see E code, and see N code.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
UH	See U code and see H code.
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	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits.
UN*	EPA flag (Inorganic)—See U code, see N code, and see * code.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
X	The analytical laboratory suspects the result is a nondetect despite positive quantification results.

Secondary Validation Flag Codes

Code	Description
A	The contractually required supporting documentation for this datum is absent.
I	The calculated sums are considered incomplete because of the lack of one or more congener results.
J	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
J-	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
J+	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
JN-	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias.
JN+	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected positive bias.
N	There is presumptive evidence of the presence of the material.
NJ	(Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon a 1:1 response factor to the nearest eluting internal standard.
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PM	Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impact data use.

Secondary Validation Flag Codes (continued)

Code	Description
R	The reported sample result is classified as rejected because of serious noncompliances regarding quality control (QC) acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	7/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-3.99125	8.30E-01	2.17E+00	—	pCi/L	U	U	10-3686	CAMO-10-22896	ARSL
R-16	8861	863.4	5/4/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.6386	6.71E-01	2.33E+00	—	pCi/L	U	U	10-3020	CAMO-10-16855	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	8871	1237	7/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-3.44844	7.34E-01	1.92E+00	—	pCi/L	U	U	10-3686	CAMO-10-22899	ARSL
R-16	8871	1237	5/7/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.83018	6.39E-01	2.11E+00	—	pCi/L	U	U	10-3120	CAMO-10-16852	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-16r	6341	600	5/7/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.69229	6.39E-01	1.92E+00	—	pCi/L	U	U	10-3120	CAMO-10-16833	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-28	1781	934.3	7/14/2010	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	472	—	—	2.50E+01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
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-33	5491	995.5	5/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.76632	5.43E-01	1.79E+00	—	pCi/L	U	U	10-3219	CAMO-10-16816	ARSL
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	5501	1112.4	5/12/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.51088	5.43E-01	1.85E+00	—	pCi/L	U	U	10-3219	CAMO-10-16818	ARSL
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-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	1.06	—	—	7.30E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	0.985	—	—	7.30E-01	mg/L	J	J	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.86	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.98	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	<	1	—	—	7.30E-01	mg/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.2	—	—	7.30E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.9	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.1	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.6	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.04	—	—	1.60E-02	mg/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.043	—	—	1.60E-02	mg/L	J	U	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0353	—	—	1.60E-02	mg/L	J	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.5	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.287	—	—	3.30E-02	mg/L	—	J-	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.306	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.297	—	—	3.30E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.524	—	—	3.30E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.5	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.8	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.1	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56	—	—	3.50E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.54	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.78	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.33	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.445	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.565	—	—	5.00E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.431	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.461	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.119	—	—	1.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.351	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.297	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.354	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.304	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.53	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.49	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3146	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.89	—	—	5.00E-02	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.78	—	—	5.00E-02	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.63	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.88	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	5.00E-01	mg/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	uS/cm	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	152	—	—	1.00E+00	uS/cm	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.76	—	—	1.00E-01	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.85	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.77	—	—	1.00E-01	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.67	—	—	1.00E-01	mg/L	—	J	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.58	—	—	1.00E-01	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	J	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	125	—	—	2.40E+00	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.362	—	—	3.30E-01	mg/L	J	J	10-3631	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3076	CAMO-10-16837	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	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	99.5	—	—	6.80E+01	ug/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	150	—	—	6.80E+01	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	182	—	—	6.80E+01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	142	—	—	6.80E+01	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.9	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.3	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.1	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	27.8	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.3	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16	—	—	1.50E+01	ug/L	J	J	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	ug/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3077	CAMO-10-16837	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	7/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	2.50E+00	ug/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.76	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.98	—	—	2.50E+00	ug/L	J	J	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.74	—	—	2.50E+00	ug/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.98	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.16	—	—	2.50E+00	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.4	—	—	3.00E+01	ug/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	96.7	—	—	3.00E+01	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	115	—	—	3.00E+01	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	132	—	—	3.00E+01	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.32	—	—	2.00E+00	ug/L	J	J	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	5.48	—	—	2.00E+00	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	8.05	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.64	—	—	2.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.36	—	—	2.00E+00	ug/L	J	J	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.981	—	—	1.00E-01	ug/L	—	U	10-3077	CAMO-10-16836	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	7/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.989	—	—	1.00E-01	ug/L	—	U	10-3077	CAMO-10-16837	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	7/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.641	—	—	5.00E-01	ug/L	J	J	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-3077	CAMO-10-16836	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	7/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.705	—	—	5.00E-01	ug/L	J	J	10-3632	CAMO-10-22881	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.529	—	—	5.00E-01	ug/L	J	J	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.809	—	—	5.00E-01	ug/L	J	J	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.534	—	—	5.00E-01	ug/L	—	U	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.8	—	—	5.30E-02	mg/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.3	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.8	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.3	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	57.5	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.2	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.2	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.1	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.9	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.7	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.542	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.372	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.505	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.454	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.56	—	—	5.00E-02	ug/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.381	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.507	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.451	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.82	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	5/6/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.98	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16836	GELC
R-34	1791	883.7	2/10/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.73	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.42	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9564	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.19	—	—	1.00E+00	ug/L	—	—	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	5/6/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.02	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16837	GELC
R-34	1791	883.7	2/10/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.98	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9350	GELC
R-34	1791	883.7	11/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.68	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3147	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	ug/L	—	—	09-2857	CAMO-09-9563	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00482	3.60E-03	3.10E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.75	2.00E+00	7.30E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	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

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.62	1.40E+00	4.20E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	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
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	7/9/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.435	7.10E-01	2.70E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.86	8.40E-01	2.60E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	GELC
R-34	1791	883.7	8/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	3.78	1.30E+00	3.70E+00	—	pCi/L	—	U	09-2858	CAMO-09-9563	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.13	6.25E-01	2.01E+00	—	pCi/L	U	U	191665	GU070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	3.01	7.74E-01	2.19E+00	—	pCi/L	—	J	191665	GU070800G34R20	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	61.3	2.70E+01	1.70E+02	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.01	2.10E+00	7.50E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00598	3.50E-03	2.70E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00199	3.50E-03	2.70E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-14.9	1.40E+01	4.20E+01	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.125	1.40E+00	4.10E+00	—	pCi/L	U	U	10-3632	CAMO-10-22881	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
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	7/9/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	1.20E-01	4.80E-01	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	5/6/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-1.40492	5.75E-01	1.92E+00	—	pCi/L	U	U	10-3120	CAMO-10-16837	ARSL
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	7/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.355	3.60E-02	5.10E-02	—	pCi/L	—	—	10-3632	CAMO-10-22881	GELC
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	7/17/2006	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.371	3.47E-02	4.40E-02	—	pCi/L	—	—	167437	GU060500G34R01	GELC
R-34	1791	883.7	1/31/2006	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.241	5.00E-02	1.83E-01	—	pCi/L	—	J	155166	GU06010G34R01	GELC
R-34	1791	883.7	11/29/2005	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.328	3.55E-02	8.19E-02	—	pCi/L	—	—	151032	GU05110G34R01	GELC
R-34	1791	883.7	9/7/2005	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.302	2.89E-02	6.14E-02	—	pCi/L	—	—	145091	GU05080G34R01	GELC
R-34	1791	883.7	6/7/2005	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.363	3.27E-02	6.90E-02	—	pCi/L	—	—	138259	GU05060G34R01	GELC
R-34	1791	883.7	8/15/2008	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0559	1.10E-02	3.10E-02	—	pCi/L	—	—	08-1699	CAMO-08-14545	GELC
R-34	1791	883.7	8/14/2007	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0121	8.75E-03	4.17E-02	—	pCi/L	U	U	191665	GF070800G34R01	GELC
R-34	1791	883.7	8/14/2007	WG	F	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0267	1.37E-02	4.61E-02	—	pCi/L	U	U	191665	GF070800G34R20	GELC
R-34	1791	883.7	6/20/2007	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0177	7.27E-03	4.55E-02	—	pCi/L	U	U	188434	GF070600G34R01	GELC
R-34	1791	883.7	7/17/2006	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00797	8.82E-03	3.78E-02	—	pCi/L	U	U	167437	GF060500G34R01	GELC
R-34	1791	883.7	9/7/2005	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0191	8.22E-03	5.06E-02	—	pCi/L	U	U	145091	GF05080G34R01	GELC
R-34	1791	883.7	7/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00976	7.70E-03	3.10E-02	—	pCi/L	U	U	10-3632	CAMO-10-22881	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	7/9/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.154	2.20E-02	3.50E-02	—	pCi/L	—	—	10-3632	CAMO-10-22881	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-42	8591	931.8	7/13/2010	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	1060	—	—	5.00E+01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	5/13/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	148.4345	8.01E+01	2.62E+02	—	pCi/L	U	U	10-3219	CAMO-10-16822	ARSL
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-45	8721	880	5/13/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	1.21334	5.43E-01	1.69E+00	—	pCi/L	U	U	10-3219	CAMO-10-16825	ARSL
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

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	5/14/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	0.57474	6.07E-01	2.01E+00	—	pCi/L	U	U	10-3219	CAMO-10-16828	ARSL
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-50	9021	1077	7/2/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	8.23794	1.44E+00	2.08E+00	—	pCi/L	—	—	10-3595	CAMO-10-22902	ARSL
R-50	9021	1077	5/27/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	11.07971	1.98E+00	3.13E+00	—	pCi/L	—	—	10-3291	CAMO-10-17420	ARSL
R-50	9021	1077	3/6/2010	WG	UF	CS	—	Rad	LLEE	Tritium	—	16.02886	5.43E-01	2.87E-01	—	pCi/L	—	—	10-2385	CAMO-10-13852	UMTL
R-50	9011	1185	7/2/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-3.16107	8.30E-01	2.43E+00	—	pCi/L	U	U	10-3595	CAMO-10-22907	ARSL
R-50	9011	1185	5/27/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.67053	5.11E-01	1.76E+00	—	pCi/L	U	U	10-3291	CAMO-10-18979	ARSL
R-50	9011	1185	3/11/2010	WG	UF	CS	—	Rad	LLEE	Tritium	<	-0.09579	2.87E-01	2.87E-01	—	pCi/L	U	U	10-2457	CAMO-10-13924	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84.7	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.6	—	—	7.30E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.5	—	—	7.30E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	84	—	—	7.30E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.3	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.3	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.8	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.69	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.61	—	—	6.60E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.03	—	—	6.60E-02	mg/L	—	J	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.54	—	—	6.60E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.265	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.29	—	—	3.30E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.231	—	—	3.30E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.523	—	—	3.30E-02	mg/L	—	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.8	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.4	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	65.7	—	—	3.50E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	72.2	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.3	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.2	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67	—	—	3.50E-01	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.3	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.6	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.83	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.99	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.26	—	—	8.50E-02	mg/L	E	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.46	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	E	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.37	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.525	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.55	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.087	—	—	1.00E-02	mg/L	—	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.498	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22715	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.459	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.84	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.54	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.504	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.52	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.5	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	180	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.36	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.07	—	—	1.00E-01	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.62	—	—	1.00E-01	mg/L	—	J	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.76	—	—	1.00E-01	mg/L	—	J-	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.40E+00	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	149	—	—	2.40E+00	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.06	—	—	3.30E-02	mg/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-3068	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1779	CASA-10-9475	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	09-3333	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.399	—	—	3.30E-01	mg/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16767	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	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	219	—	—	6.80E+01	ug/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-452	CASA-10-3704	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.5	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.8	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.1	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	47.9	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	50	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	47.3	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46.8	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.9	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	ug/L	J	J	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.2	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.6	—	—	2.50E+00	ug/L	J	J	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.22	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.33	—	—	2.50E+00	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.01	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.62	—	—	2.50E+00	ug/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.69	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.76	—	—	2.50E+00	ug/L	J	J	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.46	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.12	—	—	2.50E+00	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	6.1	—	—	2.00E+00	ug/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.05	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.27	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	10-1780	CASA-10-9475	GELC
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	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.535	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.84	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.811	—	—	5.00E-01	ug/L	J	J	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.697	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.567	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12924	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.503	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.751	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.715	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.615	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.2	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.7	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.5	—	—	5.30E-02	mg/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.7	—	—	5.30E-02	mg/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.5	—	—	5.30E-02	mg/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	101	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	111	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	98.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	2/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	09-891	CASA-09-2785	GELC
R-10	6381	874	11/3/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	09-205	CASA-09-877	GELC
R-10	6381	874	8/13/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	08-1668	CASA-08-14372	GELC
R-10	6381	874	5/27/2008	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	08-1234	CASA-08-12861	GELC
R-10	6381	874	11/15/2007	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-193	CASA-08-7346	GELC
R-10	6381	874	11/15/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	08-193	CASA-08-7348	GELC
R-10	6381	874	8/15/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	191714	GF07080GR10101	GELC
R-10	6381	874	6/19/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	188307	GF07060GR10101	GELC
R-10	6381	874	2/21/2007	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	181329	GF07020GR10101	GELC
R-10	6381	874	10/12/2006	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.3	—	—	5.00E-02	ug/L	—	—	174120	GF06100GR10101	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	5.00E-02	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.4	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
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	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.5	—	—	1.00E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.3	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22715	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6381	874	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16769	GELC
R-10	6381	874	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	15.6	—	—	3.30E+00	ug/L	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.1	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3705	GELC
R-10	6381	874	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.6	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12924	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.17	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22713	GELC
R-10	6381	874	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.8	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16767	GELC
R-10	6381	874	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.9	—	—	3.30E+00	ug/L	—	—	10-1780	CASA-10-9475	GELC
R-10	6381	874	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.6	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3704	GELC
R-10	6381	874	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	35.9	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12923	GELC
R-10	6381	874	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000268	1.50E-03	2.90E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.422	1.40E+00	4.70E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.3	1.60E+00	5.70E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.758	5.60E-01	1.90E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	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
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	7/8/2010	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.64	7.40E-01	2.30E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.36	3.20E+00	3.90E+00	—	pCi/L	—	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	7.21	2.80E+00	1.00E+01	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.60E-03	2.10E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00157	2.70E-03	2.10E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-29.5	1.70E+01	4.90E+01	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.946	1.50E+00	5.30E+00	—	pCi/L	U	U	10-3621	CASA-10-22713	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
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	7/8/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00944	1.20E-01	4.60E-01	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.717	6.90E-02	7.30E-02	—	pCi/L	—	—	10-3621	CASA-10-22713	GELC
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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0387	1.20E-02	4.40E-02	—	pCi/L	U	U	10-3621	CASA-10-22713	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.401	4.40E-02	5.10E-02	—	pCi/L	—	—	10-3621	CASA-10-22713	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	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	82.6	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	85.7	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.2	—	—	7.30E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88	—	—	7.30E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	87.1	—	—	7.30E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.02	—	—	1.60E-02	mg/L	J	J-	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.07	—	—	1.60E-02	mg/L	—	U	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.03	—	—	1.60E-02	mg/L	J	U	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.031	—	—	1.60E-02	mg/L	J	U	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.4	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16771	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.08	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.08	—	—	6.60E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.06	—	—	6.60E-02	mg/L	—	J	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.77	—	—	6.60E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.243	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.258	—	—	3.30E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.238	—	—	3.30E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.452	—	—	3.30E-02	mg/L	—	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.3	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.7	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.8	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	70.1	—	—	3.50E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.2	—	—	3.50E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.4	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	69	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16771	GELC
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	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.31	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.33	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.63	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.43	—	—	8.50E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.455	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.56	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.515	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.0451	—	—	1.00E-02	mg/L	J	U	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.482	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.478	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.502	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.529	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.434	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.51	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.73	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.62	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.69	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.75	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.78	—	—	5.00E-02	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	E	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.2	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	202	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.83	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.73	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	J	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.5	—	—	1.00E-01	mg/L	—	J-	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	148	—	—	2.40E+00	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.3	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.2	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.5	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48.7	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.2	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.3	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	46	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.4	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.9	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.1	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-452	CASA-10-3707	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.57	—	—	2.50E+00	ug/L	J	J	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.38	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.88	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.11	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
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	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.9	—	—	2.50E+00	ug/L	J	J	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.81	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.1	—	—	2.50E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.24	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.1	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.02	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.03	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.23	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.06	—	—	1.00E-01	ug/L	—	U	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.503	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.738	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.563	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.727	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.05	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.687	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.778	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.532	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.771	—	—	5.00E-01	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.22	—	—	5.00E-01	ug/L	J	J	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.6	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.4	—	—	5.30E-02	mg/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.7	—	—	5.30E-02	mg/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.5	—	—	3.20E-02	mg/L	—	—	09-1840	CASA-09-8271	GELC
R-10	6391	1042	2/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	3.20E-02	mg/L	—	—	09-891	CASA-09-2788	GELC
R-10	6391	1042	11/12/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.4	—	—	3.20E-02	mg/L	—	—	09-281	CASA-09-878	GELC
R-10	6391	1042	8/13/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.5	—	—	3.20E-02	mg/L	—	—	08-1668	CASA-08-14375	GELC
R-10	6391	1042	5/27/2008	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.5	—	—	3.20E-02	mg/L	—	—	08-1234	CASA-08-12866	GELC
R-10	6391	1042	11/15/2007	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.3	—	—	3.20E-02	mg/L	—	—	08-191	CASA-08-7419	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	105	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	108	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	110	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	107	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.18	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.59	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	5.00E-02	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.52	—	—	5.00E-02	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.2	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.3	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	10.9	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11.6	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.7	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	11	—	—	1.00E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	10.1	—	—	1.00E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.98	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22716	GELC
R-10	6391	1042	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16772	GELC
R-10	6391	1042	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.6	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	16	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	9/23/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	48.7	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12928	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.31	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22718	GELC
R-10	6391	1042	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	13.8	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16771	GELC
R-10	6391	1042	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.4	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9479	GELC
R-10	6391	1042	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	36.3	—	—	3.30E+00	ug/L	—	—	10-452	CASA-10-3707	GELC
R-10	6391	1042	9/23/2009	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	52.6	—	—	3.30E+00	ug/L	—	—	09-3334	CASA-09-12927	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00554	4.70E-03	3.40E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.25	1.60E+00	5.90E+00	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.21	1.60E+00	4.30E+00	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.19	8.00E-01	2.00E+00	—	pCi/L	—	U	10-3621	CASA-10-22718	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

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.85	8.80E-01	2.70E+00	—	pCi/L	U	U	10-3621	CASA-10-22718	GELC
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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	14.7	6.80E+00	3.90E+00	—	pCi/L	—	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.981	2.80E+00	9.30E+00	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00336	2.90E-03	2.20E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	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	6/29/2006	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0033	4.67E-03	1.80E-02	—	pCi/L	U	U	166360	GF06060GR10201	GELC
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00335	2.40E-03	2.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.4	1.80E+01	6.50E+01	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.01	1.90E+00	6.40E+00	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.172	1.00E-01	4.50E-01	—	pCi/L	U	U	10-3621	CASA-10-22718	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.636	6.20E-02	7.20E-02	—	pCi/L	—	—	10-3621	CASA-10-22718	GELC
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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0241	9.30E-03	4.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22718	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

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10	6391	1042	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.337	3.90E-02	5.00E-02	—	pCi/L	—	—	10-3621	CASA-10-22718	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-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	95.3	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.6	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91	—	—	7.30E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.5	—	—	7.30E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	94.4	—	—	7.30E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.148	—	—	6.60E-02	mg/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0684	—	—	6.60E-02	mg/L	J	J	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.106	—	—	6.60E-02	mg/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.12	—	—	6.60E-02	mg/L	J	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2855	CASA-09-10362	GELC
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	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.9	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	26.9	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.3	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.8	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.1	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.8	—	—	3.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.6	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.4	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	27.9	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.5	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.2	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.2	—	—	3.00E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.01	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.9	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.93	—	—	6.60E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.76	—	—	6.60E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.81	—	—	6.60E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.94	—	—	6.60E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.408	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.401	—	—	3.30E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.347	—	—	3.30E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.569	—	—	3.30E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.478	—	—	3.30E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.8	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	82.4	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	84.1	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	88.5	—	—	3.50E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	86.1	—	—	3.50E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	87.7	—	—	3.50E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	83.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	85.5	—	—	3.50E-01	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	87.4	—	—	3.50E-01	mg/L	—	—	10-446	CASA-10-3710	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.72	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.82	—	—	8.50E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.96	—	—	8.50E-02	mg/L	—	J	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.85	—	—	8.50E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.25	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.33	—	—	5.00E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.21	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.2	—	—	5.00E-02	mg/L	—	J	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.45	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.27	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.8	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.776	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.827	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.855	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.624	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.733	—	—	5.00E-02	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.06	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.2	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.29	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.1	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.18	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.16	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.12	—	—	5.00E-02	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.16	—	—	5.00E-02	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.21	—	—	5.00E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.5	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.2	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22719	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	5.00E-01	mg/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	4.50E-02	mg/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	245	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	254	—	—	1.00E+00	uS/cm	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.78	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.88	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.93	—	—	1.00E-01	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.36	—	—	1.00E-01	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.52	—	—	1.00E-01	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.89	—	—	1.00E-01	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	174	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.76	—	—	3.30E-01	mg/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16773	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	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	475	—	—	6.80E+01	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.3	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	76.4	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	81.4	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	85.3	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	78.5	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	79.8	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	78.1	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	82	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	85.4	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	79	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.5	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	—	—	10-446	CASA-10-3712	GELC

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.7	—	—	1.00E+01	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.00E+01	ug/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.51	—	—	2.50E+00	ug/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.56	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.71	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.17	—	—	2.50E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.27	—	—	2.50E+00	ug/L	J	J	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.22	—	—	1.50E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.37	—	—	2.50E+00	ug/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.76	—	—	2.50E+00	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.67	—	—	2.50E+00	ug/L	J	J	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.13	—	—	2.50E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.09	—	—	2.50E+00	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.12	—	—	1.50E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.59	—	—	2.00E+00	ug/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.25	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.34	—	—	1.00E-01	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.36	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.3	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.19	—	—	1.00E-01	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.44	—	—	1.00E-01	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.983	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.29	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	1.46	—	—	5.00E-01	ug/L	—	U	10-446	CASA-10-3712	GELC
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	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.43	—	—	5.00E-01	ug/L	J	J	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.21	—	—	5.00E-01	ug/L	J	J	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	1.52	—	—	5.00E-01	ug/L	—	U	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.982	—	—	5.00E-01	ug/L	J	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.3	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22720	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.5	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.7	—	—	5.30E-02	mg/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	57.7	—	—	5.30E-02	mg/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.9	—	—	5.30E-02	mg/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.2	—	—	3.20E-02	mg/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	202	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	204	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	209	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	200	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	200	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	201	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	205	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	206	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.47	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.83	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.38	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.52	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.65	—	—	5.00E-02	ug/L	—	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.44	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.13	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.63	—	—	5.00E-02	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.44	—	—	5.00E-02	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.58	—	—	5.00E-02	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.67	—	—	5.00E-02	ug/L	—	J	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.44	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.6	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.52	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.13	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.23	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.59	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.97	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.77	—	—	1.00E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
R-10a	6371	690	11/10/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.95	—	—	1.00E+00	ug/L	—	—	10-446	CASA-10-3710	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.56	—	—	1.00E+00	ug/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	7/8/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.93	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22720	GELC
R-10a	6371	690	5/5/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.5	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16775	GELC
R-10a	6371	690	2/9/2010	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	10.9	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	8/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	6.99	—	—	3.30E+00	ug/L	J	U	09-2855	CASA-09-10362	GELC
R-10a	6371	690	5/12/2009	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.21	—	—	2.00E+00	ug/L	J	J	09-1846	CASA-09-8273	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	16.1	—	—	3.30E+00	ug/L	—	—	10-3622	CASA-10-22719	GELC
R-10a	6371	690	5/5/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.9	—	—	3.30E+00	ug/L	—	—	10-3069	CASA-10-16773	GELC
R-10a	6371	690	2/9/2010	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.4	—	—	3.30E+00	ug/L	—	—	10-1777	CASA-10-9456	GELC
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

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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00154	1.80E-03	3.30E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.4	1.60E+00	5.60E+00	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	3.43	1.30E+00	5.80E+00	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.27	6.60E-01	1.90E+00	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.97	8.70E-01	2.70E+00	—	pCi/L	U	U	10-3621	CASA-10-22719	GELC
R-10a	6371	690	8/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	2.35	7.70E-01	2.00E+00	—	pCi/L	—	U	09-2855	CASA-09-10359	GELC
R-10a	6371	690	5/12/2009	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.06	8.20E-01	2.30E+00	—	pCi/L	—	—	09-1846	CASA-09-8272	GELC
R-10a	6371	690	8/15/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	6.78	1.15E+00	2.83E+00	—	pCi/L	—	J	191714	GU07080GR10A01	GELC
R-10a	6371	690	6/19/2007	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	4.15	1.19E+00	3.31E+00	—	pCi/L	—	J	188307	GU07060GR10A20	GELC
R-10a	6371	690	6/19/2007	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.51	1.39E+00	3.79E+00	—	pCi/L	—	J	188307	GU07060GR10A01	GELC
R-10a	6371	690	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	14.7	7.30E+00	1.10E+01	—	pCi/L	—	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.64	3.60E+00	1.20E+01	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00328	3.30E-03	2.20E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00328	2.80E-03	2.20E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.283	2.30E+01	8.00E+01	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.37	1.70E+00	6.10E+00	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.212	1.40E-01	4.60E-01	—	pCi/L	U	U	10-3621	CASA-10-22719	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	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.19	1.00E-01	6.60E-02	—	pCi/L	—	—	10-3621	CASA-10-22719	GELC
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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0253	1.10E-02	4.00E-02	—	pCi/L	U	U	10-3621	CASA-10-22719	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	7/8/2010	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.7	6.50E-02	4.50E-02	—	pCi/L	—	—	10-3621	CASA-10-22719	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	11/11/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.00000539	—	—	5.22E-06	ug/L	J	J	11-520	CAMO-11-1240	CFA
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000617	—	—	6.17E-04	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.000166	—	—	1.66E-04	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000126	—	—	1.26E-05	ug/L	—	—	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Heptachlorodibenzodioxins (Total)	—	0.0000194	—	—	1.94E-05	ug/L	J	J	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000279	—	—	1.04E-05	ug/L	J	J	11-520	CAMO-11-1240	CFA
E-1FW	—	—	02/02/10	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.00274	—	—	2.74E-03	ug/L	—	—	10-1589	CAMO-10-9108	ALTC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.000738	—	—	7.38E-04	ug/L	—	—	09-2922	CAMO-09-9435	ALTC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	—	0.0000249	—	—	2.49E-05	ug/L	J	J	08-680	CAMO-08-10862	ALTC
E-1FW	—	—	03/01/07	WS	UF	CS	—	Diox/Fur	SW-846:8290	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	<	0.0000142	—	—	1.42E-05	ug/L	U	R	28759	AU07020PWF1E01	ALTC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	139	—	—	7.30E-01	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	37.9	—	—	7.30E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.9	—	—	7.30E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	29.8	—	—	7.30E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.8	—	—	7.30E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.06	—	—	1.60E-02	mg/L	—	J-	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.058	—	—	1.60E-02	mg/L	—	U	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.027	—	—	1.60E-02	mg/L	J	J-	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.051	—	—	3.00E-02	mg/L	—	J-	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.0419	—	—	3.00E-02	mg/L	J	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.162	—	—	6.60E-02	mg/L	J	J	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.70E-02	mg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.1	—	—	6.70E-02	mg/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.4	—	—	3.00E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	3.00E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21	—	—	3.00E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	21.6	—	—	1.30E-01	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52	—	—	3.30E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	71.4	—	—	6.60E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	152	—	—	1.30E+00	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	141	—	—	6.60E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.284	—	—	3.30E-02	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.269	—	—	3.30E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.383	—	—	3.30E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.192	—	—	3.30E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.201	—	—	3.30E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38.4	—	—	3.50E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	39.4	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.3	—	—	3.50E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.7	—	—	3.50E-01	mg/L	—	—	11-495	CAMO-11-1240	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.1	—	—	3.50E-01	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.2	—	—	3.50E-01	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.2	—	—	3.50E-01	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	67.8	—	—	3.50E-01	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.74	—	—	8.50E-02	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.12	—	—	8.50E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	2.14	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.21	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.04	—	—	8.50E-02	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.46	—	—	8.50E-02	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.6	—	—	8.50E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.66	—	—	5.00E-02	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.76	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.68	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.74	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.3	—	—	5.00E-02	mg/L	E	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.09	—	—	5.00E-02	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	9.63	—	—	5.00E-02	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	5.53	—	—	5.00E-02	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.36	—	—	5.00E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.93	—	—	5.00E-02	mg/L	E	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	66.3	—	—	1.00E-01	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	49.1	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.6	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	104	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	101	—	—	4.50E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	67.5	—	—	1.00E-01	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	47.5	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	67.6	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	108	—	—	4.50E-02	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	100	—	—	4.50E-02	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	371	—	—	1.00E+00	uS/cm	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	296	—	—	1.00E+00	uS/cm	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	440	—	—	1.00E+00	uS/cm	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	619	—	—	1.00E+00	uS/cm	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	647	—	—	1.00E+00	uS/cm	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.04	—	—	1.00E-01	mg/L	—	J+	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	17.9	—	—	1.00E-01	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	18.4	—	—	1.00E-01	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	12.4	—	—	1.00E-01	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	16.8	—	—	2.30E+00	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	184	—	—	5.20E+00	mg/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	8.8	—	—	2.30E+00	mg/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.2	—	—	2.30E+00	mg/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	255	—	—	2.40E+00	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	295	—	—	2.40E+00	mg/L	—	—	10-1591	CAMO-10-9109	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	291	—	—	2.40E+00	mg/L	—	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	373	—	—	2.40E+00	mg/L	—	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	366	—	—	2.40E+00	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.532	—	—	3.30E-02	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.548	—	—	3.30E-02	mg/L	—	J+	10-1590	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	2.08	—	—	3.30E-02	mg/L	—	J-	09-2923	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.199	—	—	2.90E-02	mg/L	—	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	2.90E-02	mg/L	U	UJ	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	14.1	—	—	1.70E+00	mg/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	13.7	—	—	6.60E-01	mg/L	—	—	10-1590	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	16.1	—	—	1.70E+00	mg/L	—	—	09-2923	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.93	—	—	3.30E-01	mg/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	12.8	—	—	3.30E-01	mg/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.049	—	—	1.50E-02	mg/L	J	J	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.088	—	—	1.50E-02	mg/L	—	U	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.109	—	—	1.50E-02	mg/L	—	J-	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	2.40E-02	mg/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.0627	—	—	2.40E-02	mg/L	—	J-	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.83	—	—	1.00E-02	SU	H	J-	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.43	—	—	1.00E-02	SU	H	J-	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.35	—	—	1.00E-02	SU	H	J-	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.13	—	—	1.00E-02	SU	H	J-	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	6.38	—	—	1.00E-02	SU	H	J-	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	101	—	—	6.80E+01	ug/L	J	J	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	14000	—	—	6.80E+01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	138	—	—	6.80E+01	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	588	—	—	6.80E+01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	—	1050	—	—	6.80E+01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	2330	—	—	6.80E+01	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	68700	—	—	6.80E+01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	23200	—	—	6.80E+01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	4320	—	—	6.80E+01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	131	—	—	6.80E+01	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.37	—	—	1.50E+00	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.71	—	—	1.50E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	4.16	—	—	1.50E+00	ug/L	J	J	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	15	—	—	1.50E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	10.2	—	—	1.50E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	98.8	—	—	1.00E+00	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	101	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	84.9	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	138	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	163	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	107	—	—	1.00E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	273	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	174	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	151	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	155	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	35.5	—	—	1.50E+01	ug/L	J	J	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	34.5	—	—	1.50E+01	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	29	—	—	1.00E+01	ug/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.4	—	—	1.50E+01	ug/L	J	J	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	37.6	—	—	1.50E+01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.3	—	—	1.50E+01	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.00E+01	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	30.7	—	—	1.00E+01	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.171	—	—	1.10E-01	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.112	—	—	1.10E-01	ug/L	J	J	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.727	—	—	1.10E-01	ug/L	J	J	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.139	—	—	1.10E-01	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.11	—	—	1.10E-01	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	32.3	—	—	2.50E+00	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	146	—	—	2.50E+00	ug/L	E	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	24.5	—	—	2.50E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	75.4	—	—	1.50E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	1.50E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	44.5	—	—	2.50E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	452	—	—	2.50E+00	ug/L	E	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	119	—	—	2.50E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	70.3	—	—	1.50E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.6	—	—	1.50E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.59	—	—	1.00E+00	ug/L	J	J	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	4.93	—	—	1.00E+00	ug/L	J	J	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.65	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Cobalt	—	5.6	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.87	—	—	1.00E+00	ug/L	J	J	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	6.06	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	3.81	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	1.8	—	—	1.00E+00	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Cobalt	—	5.7	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	10.4	—	—	3.00E+00	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	13.5	—	—	3.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.9	—	—	3.00E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	5.4	—	—	3.00E+00	ug/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	7.9	—	—	3.00E+00	ug/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	17.9	—	—	3.00E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	52.3	—	—	3.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	46.7	—	—	3.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.1	—	—	3.00E+00	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.8	—	—	3.00E+00	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	433	—	—	3.00E+01	ug/L	—	—	11-495	CAMO-11-1241	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	7410	—	—	3.00E+01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	469	—	—	3.00E+01	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	344	—	—	2.50E+01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	1980	—	—	2.50E+01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	3300	—	—	3.00E+01	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	36600	—	—	3.00E+01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	13800	—	—	3.00E+01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	2860	—	—	2.50E+01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	465	—	—	2.50E+01	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	5.67	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.75	—	—	5.00E-01	ug/L	J	J	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	28.8	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	8.68	—	—	5.00E-01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	1.3	—	—	5.00E-01	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	208	—	—	2.00E+00	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	146	—	—	2.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	219	—	—	2.00E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	50.2	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	741	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	237	—	—	2.00E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	320	—	—	2.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	299	—	—	2.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	161	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	708	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	53.7	—	—	1.00E-01	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	23.9	—	—	1.00E-01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	42.1	—	—	1.00E-01	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.4	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	22.5	—	—	1.00E-01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	52.3	—	—	1.00E-01	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	40.8	—	—	1.00E-01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	46.3	—	—	1.00E-01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.4	—	—	1.00E-01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	24.6	—	—	1.00E-01	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	5.19	—	—	5.00E-01	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.92	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	6.91	—	—	5.00E-01	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	4	—	—	5.00E-01	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	8.1	—	—	5.00E-01	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.99	—	—	5.00E-01	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	19.5	—	—	5.00E-01	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.8	—	—	5.00E-01	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.2	—	—	5.00E-01	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	8.6	—	—	5.00E-01	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	34.5	—	—	5.30E-02	mg/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	28.4	—	—	5.30E-02	mg/L	—	—	09-2924	CAMO-09-9436	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	27.3	—	—	3.20E-02	mg/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	35.3	—	—	3.20E-02	mg/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	83.7	—	—	1.00E+00	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.9	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.8	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.6	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	112	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	88.7	—	—	1.00E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.9	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	77.4	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	97.3	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	109	—	—	1.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.376	—	—	5.00E-02	ug/L	—	—	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.619	—	—	5.00E-02	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.243	—	—	5.00E-02	ug/L	—	—	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6020	Uranium	<	0.2	—	—	5.00E-02	ug/L	U	U	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.099	—	—	5.00E-02	ug/L	J	J	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.473	—	—	5.00E-02	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.83	—	—	5.00E-02	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.94	—	—	5.00E-02	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.12	—	—	5.00E-02	ug/L	J	J	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.14	—	—	5.00E-02	ug/L	J	J	09-317	CAMO-09-713	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.63	—	—	1.00E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.5	—	—	1.00E+00	ug/L	J	J	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	<	3.4	—	—	1.00E+00	ug/L	J	U	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	67.2	—	—	1.00E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	24.6	—	—	1.00E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.3	—	—	1.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.3	—	—	1.00E+00	ug/L	J	U	09-317	CAMO-09-713	GELC
E-1FW	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.11	—	—	3.30E+00	ug/L	J	J	11-495	CAMO-11-1241	GELC
E-1FW	—	—	02/02/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	37.6	—	—	3.30E+00	ug/L	—	—	10-1591	CAMO-10-9109	GELC
E-1FW	—	—	08/18/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.61	—	—	3.30E+00	ug/L	J	J	09-2924	CAMO-09-9436	GELC
E-1FW	—	—	02/12/09	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2373	GELC
E-1FW	—	—	11/17/08	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.9	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-714	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.4	—	—	3.30E+00	ug/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	161	—	—	3.30E+00	ug/L	—	—	10-1591	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	69.9	—	—	3.30E+00	ug/L	—	—	09-2924	CAMO-09-9435	GELC
E-1FW	—	—	02/12/09	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.9	—	—	2.00E+00	ug/L	—	—	09-892	CAMO-09-2372	GELC
E-1FW	—	—	11/17/08	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.8	—	—	2.00E+00	ug/L	—	—	09-317	CAMO-09-713	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00781	5.00E-03	4.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.00517	3.10E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0052	1.27E-03	3.40E-02	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0142	2.33E-03	3.40E-02	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00764	1.50E-03	4.80E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	2.57E-03	3.10E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0134	2.97E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.21	4.33E-01	4.60E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	2.13	4.67E-01	4.90E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.3	4.00E-01	4.10E+00	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0732	4.00E-01	4.00E+00	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.299	5.33E-01	4.80E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.948	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.58	4.00E-01	3.60E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.624	7.00E-01	4.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.733	4.33E-01	4.30E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.16	4.33E-01	3.60E+00	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.825	4.67E-01	4.80E+00	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.34	5.67E-01	5.20E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.32	4.33E-01	4.80E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.46	4.00E-01	4.30E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.651	1.13E-01	1.18E+00	—	pCi/L	U	U	145452	GF0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.968	1.59E-01	1.64E+00	—	pCi/L	U	U	135037	GF0504PWF1E01	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.12	3.27E-01	2.70E+00	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	23.2	1.30E+00	2.80E+00	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	—	8.53	5.33E-01	2.90E+00	—	pCi/L	—	J+	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.913	1.29E-01	1.31E+00	—	pCi/L	U	U	145452	GU0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.807	2.02E-01	2.39E+00	—	pCi/L	U	U	135037	GU0504PWF1E01	GELC
E-1FW	—	—	09/13/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	5.5	2.69E-01	2.65E+00	—	pCi/L	—	J	145452	GF0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	F	CS	—	Rad	EPA:900	Gross beta	—	3.47	1.68E-01	1.58E+00	—	pCi/L	—	J	135037	GF0504PWF1E01	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	<	2.24	2.83E-01	2.50E+00	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	19.5	7.67E-01	2.50E+00	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	14.9	7.00E-01	3.60E+00	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	09/13/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	5	2.56E-01	2.47E+00	—	pCi/L	—	J	145452	GU0509PWF1E01	GELC
E-1FW	—	—	04/20/05	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	3.15	1.39E-01	1.18E+00	—	pCi/L	—	J	135037	GU0504PWF1E01	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	11	4.00E+00	1.80E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	71.9	3.13E+01	2.10E+02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	8.5	4.00E+00	1.60E+01	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	40.7	4.33E+00	2.40E+01	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	36.5	6.00E+00	6.90E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.7	9.33E+00	1.70E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	77.6	2.70E+01	2.80E+02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-16.3	2.17E+00	1.80E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	7	3.67E+00	3.40E+01	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.387	9.00E-01	8.60E+00	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0493	3.13E+00	3.10E+01	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.9	4.00E+00	3.90E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-26.7	4.00E+00	3.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-10.2	2.63E+00	2.40E+01	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00213	7.00E-04	3.00E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00586	3.13E-03	3.80E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.20E-03	2.90E-02	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00844	1.40E-03	3.60E-02	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	8.00E-04	4.10E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	4.48E-10	1.77E-03	2.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00361	2.27E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0127	2.83E-03	3.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00977	2.70E-03	4.00E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00764	1.70E-03	5.30E-02	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	—	0.0464	3.33E-03	2.40E-02	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0146	2.00E-03	4.60E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0169	2.27E-03	3.20E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0145	1.93E-03	3.70E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-28.6	6.00E+00	5.60E+01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	31.2	6.33E+00	4.20E+01	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-15	6.00E+00	5.60E+01	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6.24	4.67E+00	4.60E+01	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-23.3	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-1.16	5.33E+00	5.20E+01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	12.2	6.00E+00	5.60E+01	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.644	4.00E-01	4.10E+00	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.17	4.00E-01	3.40E+00	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.544	4.33E-01	4.00E+00	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.89	4.67E-01	4.30E+00	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.18	5.33E-01	5.70E+00	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.871	3.33E-01	3.50E+00	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.467	3.67E-01	3.60E+00	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.271	5.00E-02	4.80E-01	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	—	0.892	5.67E-02	4.10E-01	—	pCi/L	—	—	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.267	5.00E-02	4.90E-01	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.115	4.33E-02	4.40E-01	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.22	4.00E-02	3.80E-01	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.179	4.67E-02	4.70E-01	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	—	0.568	4.67E-02	4.00E-01	—	pCi/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.16	7.33E-03	7.10E-02	—	pCi/L	—	—	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	<	0.0235	5.00E-03	7.00E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.112	6.67E-03	5.70E-02	—	pCi/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.97	3.67E-02	1.60E-01	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.343	1.43E-02	1.20E-01	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.318	1.03E-02	6.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0602	4.67E-03	7.40E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.018	2.87E-03	3.80E-02	—	pCi/L	U	U	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00726	1.40E-03	3.50E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00676	1.60E-03	3.80E-02	—	pCi/L	U	U	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0474	6.67E-03	9.20E-02	—	pCi/L	U	U	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0138	3.07E-03	6.10E-02	—	pCi/L	U	U	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0146	2.30E-03	3.60E-02	—	pCi/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0103	2.70E-03	3.70E-02	—	pCi/L	U	U	08-675	CAMO-08-10862	GELC
E-1FW	—	—	08/13/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.154	7.00E-03	3.70E-02	—	pCi/L	—	—	08-1671	CAMO-08-14407	GELC
E-1FW	—	—	02/20/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	<	0.0215	2.73E-03	4.10E-02	—	pCi/L	U	U	08-675	CAMO-08-10861	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.159	8.00E-03	3.80E-02	—	pCi/L	—	—	11-495	CAMO-11-1240	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.873	3.33E-02	1.00E-01	—	pCi/L	—	—	10-1592	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.385	1.53E-02	6.00E-02	—	pCi/L	—	—	09-2925	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.334	1.10E-02	3.50E-02	—	pCi/L	—	—	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.056	4.00E-03	4.30E-02	—	pCi/L	—	—	08-675	CAMO-08-10862	GELC
E-1FW	—	—	11/11/10	WS	UF	CS	FTB	VOA	SW-846:8260B	Toluene	—	0.39	—	—	2.50E-01	ug/L	J	J	11-495	CAMO-11-1242	GELC
E-1FW	—	—	02/02/10	WS	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-1590	CAMO-10-9108	GELC
E-1FW	—	—	08/18/09	WS	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	09-2923	CAMO-09-9435	GELC
E-1FW	—	—	08/13/08	WS	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	08-1671	CAMO-08-14406	GELC
E-1FW	—	—	02/20/08	WS	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	08-675	CAMO-08-10862	GELC
MCO-3	4561	2	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	11-576	CAMO-11-1244	GELC
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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	26	—	—	6.60E-01	mg/L	—	—	11-576	CAMO-11-1244	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.261	—	—	3.30E-02	mg/L	—	—	11-576	CAMO-11-1244	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.598	—	—	5.00E-02	ug/L	—	—	11-576	CAMO-11-1244	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	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	340	—	—	1.00E+00	uS/cm	—	—	11-576	CAMO-11-1244	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.5	—	—	1.00E-01	mg/L	—	—	11-576	CAMO-11-1244	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	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	255	—	—	2.40E+00	mg/L	—	—	11-576	CAMO-11-1244	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	6.04	—	—	3.30E-01	mg/L	—	—	11-576	CAMO-11-1243	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
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	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.46	—	—	1.00E-02	SU	H	J-	11-576	CAMO-11-1244	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	45.2	—	—	5.30E-02	mg/L	—	—	11-576	CAMO-11-1244	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-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	10-3600	CAMO-10-22813	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.054	—	—	1.60E-02	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.033	—	—	1.60E-02	mg/L	J	J-	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.082	—	—	1.60E-02	mg/L	—	U	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.046	—	—	1.60E-02	mg/L	J	J-	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	87.4	—	—	6.60E-01	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	87.6	—	—	6.60E-01	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	40.2	—	—	6.60E-01	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.2	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	58.2	—	—	6.60E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.847	—	—	3.30E-02	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.742	—	—	3.30E-02	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.872	—	—	3.30E-02	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.941	—	—	3.30E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.77	—	—	3.30E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.468	—	—	5.00E-02	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.06	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	J	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.04	—	—	5.00E-02	mg/L	—	J+	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.07	—	—	5.00E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	5.53	—	—	5.00E-01	ug/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.31	—	—	5.00E-01	ug/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	4.61	—	—	5.00E-01	ug/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.04	—	—	5.00E-01	ug/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	ug/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	550	—	—	1.00E+00	uS/cm	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	575	—	—	1.00E+00	uS/cm	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	439	—	—	1.00E+00	uS/cm	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	442	—	—	1.00E+00	uS/cm	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	475	—	—	1.00E+00	uS/cm	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.1	—	—	1.00E-01	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.6	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.24	—	—	1.00E-01	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.78	—	—	1.00E-01	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.31	—	—	1.00E-01	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	336	—	—	2.40E+00	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	337	—	—	2.40E+00	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	275	—	—	2.40E+00	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	293	—	—	2.40E+00	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	266	—	—	2.40E+00	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-6	4601	27	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.23	—	—	3.30E-01	mg/L	—	—	11-549	CAMO-11-1248	GELC
MCO-6	4601	27	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.91	—	—	3.30E-01	mg/L	—	—	10-3599	CAMO-10-22814	GELC
MCO-6	4601	27	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.29	—	—	3.30E-01	mg/L	—	—	10-3128	CAMO-10-16715	GELC
MCO-6	4601	27	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.65	—	—	3.30E-01	mg/L	—	—	10-1458	CAMO-10-9288	GELC
MCO-6	4601	27	11/10/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.66	—	—	3.30E-01	mg/L	—	—	10-447	CAMO-10-3094	GELC
MCO-6	4601	27	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.15	—	—	1.00E-02	SU	H	J-	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.16	—	—	1.00E-02	SU	H	J-	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.18	—	—	1.00E-02	SU	H	J-	10-3128	CAMO-10-16716	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.2	—	—	5.30E-02	mg/L	—	—	11-549	CAMO-11-1247	GELC
MCO-6	4601	27	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.9	—	—	5.30E-02	mg/L	—	—	10-3600	CAMO-10-22813	GELC
MCO-6	4601	27	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	37.8	—	—	5.30E-02	mg/L	—	—	10-3128	CAMO-10-16716	GELC
MCO-6	4601	27	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	40.5	—	—	5.30E-02	mg/L	—	—	10-1458	CAMO-10-9287	GELC
MCO-6	4601	27	11/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	39.9	—	—	5.30E-02	mg/L	—	—	10-447	CAMO-10-3093	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	91.5	—	—	7.30E-01	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	121	—	—	7.30E-01	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	115	—	—	7.30E-01	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	114	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	113	—	—	7.30E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.074	—	—	1.60E-02	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.016	—	—	1.60E-02	mg/L	J	J-	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.047	—	—	1.60E-02	mg/L	J	U	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.031	—	—	1.60E-02	mg/L	J	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	U	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	105	—	—	6.60E-01	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51.3	—	—	6.60E-01	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51.9	—	—	6.60E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.967	—	—	3.30E-02	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.894	—	—	3.30E-02	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	1.01	—	—	3.30E-02	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.958	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.932	—	—	3.30E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.955	—	—	5.00E-02	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.36	—	—	5.00E-02	mg/L	—	J	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.49	—	—	5.00E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.82	—	—	5.00E-01	ug/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.21	—	—	1.00E+00	ug/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.54	—	—	5.00E-01	ug/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.26	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	11.7	—	—	1.00E+00	ug/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	600	—	—	1.00E+00	uS/cm	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	471	—	—	1.00E+00	uS/cm	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	498	—	—	1.00E+00	uS/cm	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	472	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.7	—	—	1.00E-01	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.33	—	—	1.00E-01	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.06	—	—	1.00E-01	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.61	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.43	—	—	1.00E-01	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	366	—	—	2.40E+00	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	289	—	—	2.40E+00	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	292	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	273	—	—	2.40E+00	mg/L	—	—	10-447	CAMO-10-3096	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCO-7	4631	39	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.53	—	—	3.30E-01	mg/L	—	—	11-549	CAMO-11-1250	GELC
MCO-7	4631	39	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.32	—	—	3.30E-01	mg/L	—	—	10-3599	CAMO-10-22816	GELC
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	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.231	—	—	1.50E-02	mg/L	—	J	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.264	—	—	1.50E-02	mg/L	—	J	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.205	—	—	1.50E-02	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.264	—	—	1.50E-02	mg/L	—	J	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.32	—	—	1.50E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.08	—	—	1.00E-02	SU	H	J-	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.07	—	—	1.00E-02	SU	H	J-	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.04	—	—	1.00E-02	SU	H	J-	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.01	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.7	—	—	5.30E-02	mg/L	—	—	11-549	CAMO-11-1249	GELC
MCO-7	4631	39	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	42.5	—	—	5.30E-02	mg/L	—	—	10-3600	CAMO-10-22817	GELC
MCO-7	4631	39	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	41.5	—	—	5.30E-02	mg/L	—	—	10-3128	CAMO-10-16718	GELC
MCO-7	4631	39	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44.3	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9291	GELC
MCO-7	4631	39	11/10/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.9	—	—	5.30E-02	mg/L	—	—	10-447	CAMO-10-3096	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47	—	—	7.30E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53	—	—	7.30E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.1	—	—	7.30E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	47.7	—	—	7.30E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	49.2	—	—	7.30E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.108	—	—	6.60E-02	mg/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.143	—	—	6.60E-02	mg/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.137	—	—	6.60E-02	mg/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.125	—	—	6.60E-02	mg/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.119	—	—	6.60E-02	mg/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.4	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.6	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.3	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.6	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.14	—	—	6.60E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.52	—	—	6.60E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.21	—	—	6.60E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.68	—	—	6.60E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
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	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.261	—	—	3.30E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.187	—	—	3.30E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	3.30E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.239	—	—	3.30E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.504	—	—	3.30E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	69.4	—	—	3.50E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	66.3	—	—	3.50E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	71.3	—	—	3.50E-01	mg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.7	—	—	3.50E-01	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	70.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.3	—	—	3.50E-01	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.2	—	—	3.50E-01	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	8.50E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.73	—	—	8.50E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.93	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.43	—	—	8.50E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.12	—	—	8.50E-02	mg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.2	—	—	2.50E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.28	—	—	2.50E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.18	—	—	2.50E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.2	—	—	2.50E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.07	—	—	1.00E-01	mg/L	—	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	99.2	—	—	1.00E+01	ug/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	97.6	—	—	1.00E+01	ug/L	—	J+	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	91.9	—	—	1.00E+01	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	84.5	—	—	1.00E+01	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	88.3	—	—	1.30E+01	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.507	—	—	5.00E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.513	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.553	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.492	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.479	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.567	—	—	5.00E-02	mg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.499	—	—	5.00E-02	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.592	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.482	—	—	5.00E-02	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.448	—	—	5.00E-02	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.2	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
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	11/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	1.00E-01	mg/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.5	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	205	—	—	1.00E+00	uS/cm	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	205	—	—	1.00E+00	uS/cm	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	201	—	—	1.00E+00	uS/cm	—	—	10-3007	CAMO-10-16734	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.4	—	—	1.00E-01	mg/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	15.2	—	—	1.00E-01	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	14	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.9	—	—	1.00E-01	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.3	—	—	1.00E-01	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	194	—	—	2.40E+00	mg/L	—	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	166	—	—	2.40E+00	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	168	—	—	2.40E+00	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.864	—	—	3.30E-01	mg/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.687	—	—	3.30E-01	mg/L	J	J	10-3604	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.399	—	—	3.30E-01	mg/L	J	J	10-3006	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.85	—	—	3.30E-01	mg/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.503	—	—	3.30E-01	mg/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.33	—	—	1.00E-02	SU	H	J-	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.34	—	—	1.00E-02	SU	H	J-	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	145	—	—	6.80E+01	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	81.5	—	—	6.80E+01	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	83.3	—	—	6.80E+01	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	ug/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.4	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.6	—	—	1.00E+00	ug/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.5	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22836	GELC
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	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.3	—	—	1.50E+01	ug/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.1	—	—	1.50E+01	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25	—	—	1.50E+01	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.2	—	—	1.50E+01	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.9	—	—	1.50E+01	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.9	—	—	1.50E+01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	10-337	CAMO-10-3119	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	ug/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.29	—	—	2.50E+00	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.06	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.7	—	—	2.50E+00	ug/L	J	J	10-1414	CAMO-10-9726	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	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	11/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.1	—	—	2.50E+00	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.5	—	—	2.50E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.82	—	—	2.50E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.17	—	—	2.50E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3007	CAMO-10-16734	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	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.47	—	—	3.00E+00	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3605	CAMO-10-22836	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3605	CAMO-10-22834	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	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50.7	—	—	3.00E+01	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	3.00E+01	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	3.00E+01	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.6	—	—	3.00E+01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.41	—	—	1.00E-01	ug/L	—	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.26	—	—	1.00E-01	ug/L	—	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.72	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.79	—	—	1.00E-01	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	1.00E-01	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.61	—	—	1.00E-01	ug/L	—	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.45	—	—	1.00E-01	ug/L	—	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.92	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.66	—	—	1.00E-01	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.57	—	—	1.00E-01	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.79	—	—	5.00E-01	ug/L	J	J	10-1413	CAMO-10-9316	GELC
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	11/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.26	—	—	5.00E-01	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.96	—	—	5.00E-01	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.53	—	—	5.00E-01	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.814	—	—	5.00E-01	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.9	—	—	5.30E-02	mg/L	—	—	11-531	CAMO-11-1254	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.6	—	—	5.30E-02	mg/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.8	—	—	5.30E-02	mg/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.6	—	—	5.30E-02	mg/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.6	—	—	5.30E-02	mg/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.4	—	—	1.00E+00	ug/L	—	—	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	95.3	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	96.5	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.9	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	80.4	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	97.3	—	—	1.00E+00	ug/L	—	—	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	93.1	—	—	1.00E+00	ug/L	—	—	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	99.1	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79	—	—	1.00E+00	ug/L	—	—	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	79.3	—	—	1.00E+00	ug/L	—	—	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.68	—	—	1.00E+00	ug/L	J	J	11-531	CAMO-11-1254	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.22	—	—	1.00E+00	ug/L	J	J	10-3605	CAMO-10-22834	GELC
MCOI-5	5721	689	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.92	—	—	1.00E+00	ug/L	J	J	10-3007	CAMO-10-16734	GELC
MCOI-5	5721	689	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	10-1413	CAMO-10-9316	GELC
MCOI-5	5721	689	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	ug/L	J	J	10-337	CAMO-10-3118	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.77	—	—	1.00E+00	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.18	—	—	1.00E+00	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.08	—	—	1.00E+00	ug/L	J	J	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.66	—	—	1.00E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.57	—	—	1.00E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3605	CAMO-10-22834	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	11/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.85	—	—	3.30E+00	ug/L	J	J	11-531	CAMO-11-1253	GELC
MCOI-5	5721	689	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.79	—	—	3.30E+00	ug/L	J	J	10-3605	CAMO-10-22836	GELC
MCOI-5	5721	689	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.3	—	—	3.30E+00	ug/L	—	—	10-3007	CAMO-10-16735	GELC
MCOI-5	5721	689	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.28	—	—	3.30E+00	ug/L	J	J	10-1413	CAMO-10-9315	GELC
MCOI-5	5721	689	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.99	—	—	3.30E+00	ug/L	J	J	10-337	CAMO-10-3119	GELC
MCOI-5	5721	689	11/15/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	3290	1.13E+02	1.50E+02	—	pCi/L	—	—	11-531	CAMO-11-1253	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	11/15/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	9.09	—	—	2.00E+00	ug/L	J	J	11-531	CAMO-11-1253	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-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93	—	—	7.30E-01	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	93.5	—	—	7.30E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	97.4	—	—	7.30E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	90.1	—	—	7.30E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.1	—	—	7.30E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	89	—	—	7.30E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.632	—	—	6.60E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.65	—	—	6.60E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.673	—	—	6.60E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.64	—	—	6.60E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.667	—	—	6.60E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.633	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	74.7	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	75.5	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.3	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	64.4	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.5	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.6	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	72.9	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.7	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.3	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.7	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.9	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	57.7	—	—	3.30E-01	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.6	—	—	3.30E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	52.2	—	—	6.60E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	53.3	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	49.5	—	—	6.60E-01	mg/L	—	J+	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	48.3	—	—	3.30E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00245	—	—	1.70E-03	mg/L	J	J	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.0053	—	—	1.70E-03	mg/L	—	U	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.556	—	—	3.30E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.556	—	—	3.30E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.418	—	—	3.30E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.477	—	—	3.30E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.54	—	—	3.30E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.447	—	—	3.30E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	251	—	—	3.50E-01	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	253	—	—	3.50E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	231	—	—	3.50E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	216	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	238	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	221	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	244	—	—	3.50E-01	mg/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	231	—	—	3.50E-01	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	214	—	—	3.50E-01	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	223	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	15.6	—	—	8.50E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.7	—	—	8.50E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	8.50E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.4	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	15.1	—	—	8.50E-02	mg/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.1	—	—	8.50E-02	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.5	—	—	8.50E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.5	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10	—	—	5.00E-01	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.95	—	—	5.00E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	9.73	—	—	2.50E-01	mg/L	—	J-	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	10.9	—	—	2.50E-01	mg/L	—	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.6	—	—	2.50E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	11.2	—	—	2.50E-01	mg/L	—	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	75.8	—	—	1.00E+01	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	75.7	—	—	1.00E+01	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	81.4	—	—	1.00E+01	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	78.6	—	—	1.00E+01	ug/L	—	J+	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	83.6	—	—	1.00E+01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	90.5	—	—	1.00E+01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.81	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.816	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.8	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.874	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.882	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.81	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	0.861	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.75	—	—	5.00E-02	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.811	—	—	5.00E-02	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.86	—	—	5.00E-02	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.866	—	—	5.00E-02	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.814	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	26.8	—	—	1.00E-01	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.1	—	—	1.00E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.1	—	—	1.00E-01	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.8	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	27.7	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.6	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	26.2	—	—	1.00E-01	mg/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.5	—	—	1.00E-01	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	25.1	—	—	1.00E-01	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26.6	—	—	1.00E-01	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	28.1	—	—	1.00E-01	mg/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	26	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	616	—	—	1.00E+00	uS/cm	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	618	—	—	1.00E+00	uS/cm	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	608	—	—	1.00E+00	uS/cm	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	617	—	—	1.00E+00	uS/cm	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	582	—	—	1.00E+00	uS/cm	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	585	—	—	1.00E+00	uS/cm	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	64.9	—	—	5.00E-01	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	65.3	—	—	5.00E-01	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	66.4	—	—	1.00E+00	mg/L	—	—	10-3589	CAMO-10-22838	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/10/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	463	—	—	2.40E+00	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	451	—	—	2.40E+00	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	497	—	—	2.40E+00	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	435	—	—	2.40E+00	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	459	—	—	2.40E+00	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	440	—	—	2.40E+00	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.139	—	—	3.30E-02	mg/L	—	J+	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.118	—	—	3.30E-02	mg/L	—	J+	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.057	—	—	3.30E-02	mg/L	J	J-	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	1.54	—	—	3.30E-01	mg/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.71	—	—	3.30E-01	mg/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.25	—	—	3.30E-01	mg/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.41	—	—	3.30E-01	mg/L	—	—	10-1441	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.49	—	—	3.30E-01	mg/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.063	—	—	1.50E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.098	—	—	1.50E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.087	—	—	1.50E-02	mg/L	—	U	10-3589	CAMO-10-22838	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	11/10/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	7.47	—	—	1.00E-02	SU	H	J-	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.47	—	—	1.00E-02	SU	H	J-	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.62	—	—	1.00E-02	SU	H	J-	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.4	—	—	1.00E-02	SU	H	J-	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J-	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.35	—	—	1.00E-02	SU	H	J-	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	47.4	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	48	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.8	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	43.4	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	42.5	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	46.2	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	45.2	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	44.8	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.4	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43.6	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	43	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	46.6	—	—	1.50E+01	ug/L	J	J	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	47.4	—	—	1.50E+01	ug/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	42.9	—	—	1.50E+01	ug/L	J	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	44.8	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	34.7	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	29.3	—	—	1.50E+01	ug/L	J	J	10-411	CAMO-10-3120	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	45.6	—	—	1.50E+01	ug/L	J	J	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.5	—	—	1.50E+01	ug/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	42.3	—	—	1.50E+01	ug/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	45.5	—	—	1.50E+01	ug/L	J	J	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	33.9	—	—	1.50E+01	ug/L	J	J	10-1442	CAMO-10-9319	GELC
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	11/10/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	62.3	—	—	2.50E+00	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	65.5	—	—	2.50E+00	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.6	—	—	2.50E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	48.7	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	50.2	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	51.5	—	—	2.50E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	64	—	—	2.50E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	64.5	—	—	2.50E+00	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	51.8	—	—	2.50E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	48.8	—	—	2.50E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	51.1	—	—	2.50E+00	ug/L	—	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	53.4	—	—	2.50E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	1.41	—	—	1.00E+00	ug/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-3589	CAMO-10-22838	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	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-3131	CAMO-10-16737	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	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Copper	—	12.8	—	—	3.00E+00	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	13	—	—	3.00E+00	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	14.5	—	—	3.00E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	12.1	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	10.6	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	9.56	—	—	3.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Copper	—	14.4	—	—	3.00E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.2	—	—	3.00E+00	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	13.7	—	—	3.00E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	14.3	—	—	3.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	12.1	—	—	3.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	10.5	—	—	3.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	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	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6020	Lead	—	0.555	—	—	5.00E-01	ug/L	J	J	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.592	—	—	5.00E-01	ug/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	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	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	5.1	—	—	2.00E+00	ug/L	J	J	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	6.76	—	—	2.00E+00	ug/L	J	J	11-471	CAMO-11-1255	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	ug/L	J	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.67	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.46	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.55	—	—	2.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	4.92	—	—	2.00E+00	ug/L	J	J	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.94	—	—	2.00E+00	ug/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	ug/L	J	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.69	—	—	2.00E+00	ug/L	J	J	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.45	—	—	2.00E+00	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.37	—	—	2.00E+00	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	J	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.09	—	—	1.00E-01	ug/L	—	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.11	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.99	—	—	1.00E-01	ug/L	—	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.15	—	—	1.00E-01	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.21	—	—	1.00E-01	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	30.1	—	—	5.00E-01	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	34.4	—	—	5.00E-01	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.5	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	14.4	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	28.6	—	—	5.00E-01	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.6	—	—	5.00E-01	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.7	—	—	5.00E-01	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.2	—	—	5.00E-01	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	14.2	—	—	5.00E-01	ug/L	—	—	10-1442	CAMO-10-9319	GELC
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	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	5.30E-02	mg/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.2	—	—	5.30E-02	mg/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.8	—	—	5.30E-02	mg/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	319	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	322	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1.00E+00	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	314	—	—	1.00E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	311	—	—	1.00E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	315	—	—	1.00E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.53	—	—	5.00E-02	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.53	—	—	5.00E-02	ug/L	—	—	11-471	CAMO-11-1255	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.41	—	—	5.00E-02	ug/L	—	J	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.45	—	—	5.00E-02	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	J	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	5.00E-02	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.49	—	—	5.00E-02	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.07	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.42	—	—	1.00E+00	ug/L	J	J	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.23	—	—	1.00E+00	ug/L	J	J	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.32	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.94	—	—	1.00E+00	ug/L	J	J	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	1.37	—	—	1.00E+00	ug/L	J	J	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.27	—	—	1.00E+00	ug/L	J	J	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.3	—	—	1.00E+00	ug/L	J	J	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.77	—	—	1.00E+00	ug/L	J	J	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	32.8	—	—	3.30E+00	ug/L	—	—	11-471	CAMO-11-1257	GELC
MCOI-6	5731	686	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	33.7	—	—	3.30E+00	ug/L	—	—	11-471	CAMO-11-1255	GELC
MCOI-6	5731	686	07/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	25.9	—	—	3.30E+00	ug/L	—	—	10-3589	CAMO-10-22838	GELC
MCOI-6	5731	686	05/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	39.4	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16738	GELC
MCOI-6	5731	686	01/26/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.5	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9317	GELC
MCOI-6	5731	686	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.8	—	—	3.30E+00	ug/L	—	—	10-411	CAMO-10-3120	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	32.8	—	—	3.30E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	32.2	—	—	3.30E+00	ug/L	—	—	11-471	CAMO-11-1256	GELC
MCOI-6	5731	686	07/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.3	—	—	3.30E+00	ug/L	—	—	10-3589	CAMO-10-22837	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	38	—	—	3.30E+00	ug/L	—	—	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	28	—	—	3.30E+00	ug/L	—	—	10-1442	CAMO-10-9319	GELC
MCOI-6	5731	686	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	23.6	—	—	3.30E+00	ug/L	—	—	10-411	CAMO-10-3121	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	Rad	EPA:906.0	Tritium	—	5040	1.70E+02	2.00E+02	—	pCi/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	Rad	EPA:906.0	Tritium	—	5240	1.77E+02	2.00E+02	—	pCi/L	—	—	11-471	CAMO-11-1256	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	11/10/10	WG	UF	CS	—	SVOA	SW-846:8270C	Bis(2-ethylhexyl)phthalate	—	2.3	—	—	2.20E+00	ug/L	J	J	11-471	CAMO-11-1256	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	11/10/10	WG	UF	CS	FD	SVOA	SW-846:8270C	Diethylphthalate	—	24.5	—	—	2.00E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC
MCOI-6	5731	686	05/11/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	U	10-3131	CAMO-10-16737	GELC
MCOI-6	5731	686	01/26/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	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	Diethylphthalate	<	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	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	U	09-2968	CAMO-09-9533	GELC
MCOI-6	5731	686	11/10/10	WG	UF	CS	FD	SVOA	SW-846:8270C	Dioxane[1,4-]	—	13.6	—	—	2.00E+00	ug/L	—	—	11-471	CAMO-11-1258	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
MCOI-6	5731	686	11/10/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dioxane[1,4-]	—	11.5	—	—	2.20E+00	ug/L	—	—	11-471	CAMO-11-1256	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
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.7	—	—	7.30E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.9	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.5	—	—	7.30E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.8	—	—	6.60E-02	mg/L	—	J+	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.73	—	—	6.60E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.79	—	—	6.60E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.81	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.76	—	—	6.60E-02	mg/L	—	J	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.184	—	—	3.30E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.128	—	—	3.30E-02	mg/L	—	J-	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.166	—	—	3.30E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.145	—	—	3.30E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	3.50E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.9	—	—	3.50E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.7	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.6	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.4	—	—	3.50E-01	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44	—	—	3.50E-01	mg/L	—	—	10-3684	CAMO-10-22844	GELC
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	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.09	—	—	8.50E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.19	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.98	—	—	8.50E-02	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.1	—	—	8.50E-02	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.24	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.327	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.394	—	—	5.00E-02	mg/L	—	J	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.369	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.321	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.36	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	ug/L	—	J	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.364	—	—	5.00E-02	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.34	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.353	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.85	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.8	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.73	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.63	—	—	5.00E-02	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	uS/cm	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.49	—	—	1.00E-01	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.43	—	—	1.00E-01	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.5	—	—	1.00E-01	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.57	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	142	—	—	2.40E+00	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.03	—	—	3.30E-01	mg/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.338	—	—	3.30E-01	mg/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.465	—	—	3.30E-01	mg/L	J	J	10-3006	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.724	—	—	3.30E-01	mg/L	J	J	10-1816	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.585	—	—	3.30E-01	mg/L	J	J	10-535	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	10-3684	CAMO-10-22843	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/12/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.35	—	—	—	%	—	—	11-745	CAMO-11-1260	UIL
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.53	—	—	—	%	—	—	10-3591	CAMO-10-9733	UIL
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.47	—	—	—	%	—	—	10-1026	CAMO-10-3899	UIL
R-1	1701	1031.1	05/20/08	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.17	—	—	1.00E-01	%	—	—	08-1271	CAMO-08-12742	UIL
R-1	1701	1031.1	02/22/08	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.22	—	—	—	%	—	—	08-690	CAMO-08-10453	UIL
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	2.79	—	—	1.50E+00	ug/L	J	U	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	UN	UJ	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.61	—	—	1.50E+00	ug/L	J	J	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	7.02	—	—	1.50E+00	ug/L	—	U	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	UN	UJ	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.38	—	—	1.50E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	ug/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.4	—	—	1.00E+00	ug/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	14.3	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.69	—	—	2.50E+00	ug/L	J	J	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.72	—	—	2.50E+00	ug/L	J	J	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.83	—	—	2.50E+00	ug/L	J	J	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.66	—	—	2.50E+00	ug/L	J	J	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.49	—	—	2.50E+00	ug/L	J	J	10-3007	CAMO-10-16739	GELC
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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.26	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.2	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.29	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.38	—	—	1.00E-01	ug/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.17	—	—	1.00E-01	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.35	—	—	1.00E-01	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.43	—	—	1.00E-01	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.39	—	—	1.00E-01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.9	—	—	5.00E-01	ug/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.88	—	—	5.00E-01	ug/L	—	—	10-3684	CAMO-10-22843	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	12.6	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	11.2	—	—	5.00E-01	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	9.5	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13.2	—	—	5.00E-01	ug/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	10.1	—	—	5.00E-01	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	13	—	—	5.00E-01	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	12.2	—	—	5.00E-01	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	9.78	—	—	5.00E-01	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.9	—	—	5.30E-02	mg/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.1	—	—	5.30E-02	mg/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.6	—	—	5.30E-02	mg/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.2	—	—	5.30E-02	mg/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	ug/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.7	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.1	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.8	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	ug/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.6	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.3	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.2	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	ug/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.967	—	—	5.00E-02	ug/L	—	—	10-3684	CAMO-10-22843	GELC
R-1	1701	1031.1	05/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.854	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16740	GELC
R-1	1701	1031.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.955	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9330	GELC
R-1	1701	1031.1	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.859	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3126	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	ug/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.997	—	—	5.00E-02	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.897	—	—	5.00E-02	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.881	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.98	—	—	1.00E+00	ug/L	—	—	11-499	CAMO-11-1260	GELC
R-1	1701	1031.1	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.05	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22843	GELC
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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.94	—	—	1.00E+00	ug/L	—	—	11-499	CAMO-11-1262	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	9.25	—	—	1.00E+00	ug/L	—	—	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.2	—	—	1.00E+00	ug/L	—	—	10-3007	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.46	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3125	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.9	—	—	2.20E+00	ug/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	SVOA	SW-846:8270C	Dichlorobenzene[1,2-]	<	10.5	—	—	2.10E+00	ug/L	U	U	10-1816	CAMO-10-9329	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	FTB	VOA	SW-846:8260B	Dichlorobenzene[1,2-]	—	1.33	—	—	2.50E-01	ug/L	—	—	11-499	CAMO-11-1261	GELC
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	VOA	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	ug/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	VOA	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	ug/L	U	U	10-3006	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	VOA	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	ug/L	U	U	10-1816	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	VOA	SW-846:8260B	Dichlorobenzene[1,2-]	<	1	—	—	2.50E-01	ug/L	U	U	10-535	CAMO-10-3125	GELC
R-1	1701	1031.1	11/12/10	WG	UF	CS	FTB	VOA	SW-846:8260B	Toluene	—	0.46	—	—	2.50E-01	ug/L	J	J	11-499	CAMO-11-1261	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-1	1701	1031.1	07/13/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3684	CAMO-10-22844	GELC
R-1	1701	1031.1	05/03/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3006	CAMO-10-16739	GELC
R-1	1701	1031.1	02/11/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-1816	CAMO-10-9329	GELC
R-1	1701	1031.1	11/16/09	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-535	CAMO-10-3125	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.6	—	—	7.30E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.4	—	—	7.30E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.1	—	—	7.30E-01	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.7	—	—	7.30E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.4	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.4	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.6	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.25	—	—	6.60E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	3.30E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.206	—	—	3.30E-02	mg/L	—	J-	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.257	—	—	3.30E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.288	—	—	3.30E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.247	—	—	3.30E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.4	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.6	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46.8	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.2	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.2	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	50.6	—	—	3.50E-01	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.26	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.25	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.62	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.45	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.24	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.57	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.3	—	—	8.50E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.42	—	—	8.50E-02	mg/L	—	J	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.74	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.76	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	ug/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.347	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.454	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.29	—	—	5.00E-02	mg/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.09	—	—	1.00E-01	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.3	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.86	—	—	1.00E-01	mg/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	E	—	10-1817	CAMO-10-9343	GELC
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	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	141	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	140	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.96	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.08	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.09	—	—	1.00E-01	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.16	—	—	1.00E-01	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3	—	—	1.00E-01	mg/L	—	J	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	151	—	—	2.40E+00	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.416	—	—	3.30E-01	mg/L	J	J	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.432	—	—	3.30E-01	mg/L	J	J	10-3666	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3076	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.639	—	—	3.30E-01	mg/L	J	J	10-1816	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-493	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.093	—	—	1.50E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.084	—	—	1.50E-02	mg/L	—	U	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.056	—	—	1.50E-02	mg/L	—	U	10-3076	CAMO-10-16786	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.074	—	—	1.50E-02	mg/L	—	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.067	—	—	1.50E-02	mg/L	—	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.29	—	—	1.00E-02	SU	H	J-	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.2	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	26.1	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	2.50E+00	ug/L	J	J	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.54	—	—	2.50E+00	ug/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.99	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.12	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9341	GELC
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	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.29	—	—	2.50E+00	ug/L	J	J	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.17	—	—	2.50E+00	ug/L	J	J	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.88	—	—	2.50E+00	ug/L	J	J	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.05	—	—	2.50E+00	ug/L	J	J	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.93	—	—	2.50E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.29	—	—	3.00E+00	ug/L	J	J	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.9	—	—	5.30E-02	mg/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.9	—	—	5.30E-02	mg/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.5	—	—	5.30E-02	mg/L	—	—	10-3076	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70	—	—	5.30E-02	mg/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.2	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.1	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.4	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.2	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.4	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.6	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.2	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	10	—	—	2.50E+00	ug/L	U	U	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	10	—	—	2.50E+00	ug/L	U	U	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	50	—	—	1.30E+01	ug/L	U	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	50	—	—	1.30E+01	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Tin	—	2.53	—	—	2.50E+00	ug/L	J	J	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Tin	<	10	—	—	2.50E+00	ug/L	U	U	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Tin	<	10	—	—	2.50E+00	ug/L	U	U	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Tin	<	50	—	—	1.30E+01	ug/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Tin	<	50	—	—	1.30E+01	ug/L	U	U	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.441	—	—	5.00E-02	ug/L	—	—	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.422	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.332	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.471	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.483	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.46	—	—	5.00E-02	ug/L	—	—	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.5	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.335	—	—	5.00E-02	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.498	—	—	5.00E-02	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.87	—	—	1.00E+00	ug/L	J	J	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.83	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.99	—	—	1.00E+00	ug/L	J	J	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.65	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.77	—	—	1.00E+00	ug/L	J	J	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.91	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00E+00	ug/L	—	—	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	10-494	CAMO-10-3134	GELC
R-13	1741	958.3	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.58	—	—	3.30E+00	ug/L	J	J	11-451	CAMO-11-1270	GELC
R-13	1741	958.3	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3667	CAMO-10-22846	GELC
R-13	1741	958.3	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3077	CAMO-10-16786	GELC
R-13	1741	958.3	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1817	CAMO-10-9341	GELC
R-13	1741	958.3	11/12/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-494	CAMO-10-3135	GELC
R-13	1741	958.3	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.57	—	—	3.30E+00	ug/L	J	J	11-451	CAMO-11-1269	GELC
R-13	1741	958.3	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3667	CAMO-10-22848	GELC
R-13	1741	958.3	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3077	CAMO-10-16787	GELC
R-13	1741	958.3	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1817	CAMO-10-9343	GELC
R-13	1741	958.3	11/12/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-494	CAMO-10-3134	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1264	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
R-14	8571	1200.6	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.7	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1265	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.61	—	—	6.60E-02	mg/L	—	J+	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.53	—	—	6.60E-02	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.59	—	—	6.60E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.66	—	—	6.60E-02	mg/L	—	J+	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.197	—	—	3.30E-02	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.142	—	—	3.30E-02	mg/L	—	J-	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.162	—	—	3.30E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.189	—	—	3.30E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
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	11/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.7	—	—	3.50E-01	mg/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.6	—	—	3.50E-01	mg/L	—	—	11-507	CAMO-11-1265	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	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.38	—	—	8.50E-02	mg/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.37	—	—	8.50E-02	mg/L	—	—	11-507	CAMO-11-1265	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	11/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.311	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.317	—	—	5.00E-02	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.337	—	—	5.00E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.285	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.326	—	—	5.00E-02	mg/L	—	J	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.309	—	—	5.00E-02	ug/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.284	—	—	5.00E-02	ug/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.26	—	—	5.00E-02	ug/L	—	J	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.264	—	—	5.00E-02	ug/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1264	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
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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.15	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1265	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-507	CAMO-11-1265	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	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	129	—	—	1.00E+00	uS/cm	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	124	—	—	1.00E+00	uS/cm	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.95	—	—	1.00E-01	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.96	—	—	1.00E-01	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.96	—	—	1.00E-01	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.97	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.92	—	—	1.00E-01	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.914	—	—	3.30E-01	mg/L	J	J	11-507	CAMO-11-1265	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.408	—	—	3.30E-01	mg/L	J	J	10-3544	CAMO-10-22851	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3002	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.347	—	—	3.30E-01	mg/L	J	J	10-1614	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.09	—	—	3.30E-01	mg/L	—	—	10-369	CAMO-10-3215	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.058	—	—	1.50E-02	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.069	—	—	1.50E-02	mg/L	—	U	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.088	—	—	1.50E-02	mg/L	—	U	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.073	—	—	1.50E-02	mg/L	—	U	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.089	—	—	1.50E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.37	—	—	1.00E-02	SU	H	J-	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1265	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	Unit	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.7	—	—	2.50E+00	ug/L	J	J	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.84	—	—	2.50E+00	ug/L	J	J	11-507	CAMO-11-1265	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.18	—	—	1.00E-01	ug/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.16	—	—	1.00E-01	ug/L	—	—	11-507	CAMO-11-1265	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.555	—	—	5.00E-01	ug/L	J	J	11-507	CAMO-11-1264	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	05/03/10	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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.4	—	—	5.30E-02	mg/L	—	—	11-507	CAMO-11-1264	GELC
R-14	8571	1200.6	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.9	—	—	5.30E-02	mg/L	—	—	10-3544	CAMO-10-22850	GELC
R-14	8571	1200.6	05/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	85.8	—	—	5.30E-02	mg/L	—	—	10-3003	CAMO-10-16754	GELC
R-14	8571	1200.6	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.8	—	—	5.30E-02	mg/L	—	—	10-1615	CAMO-10-9335	GELC
R-14	8571	1200.6	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.7	—	—	5.30E-02	mg/L	—	—	10-370	CAMO-10-3214	GELC
R-14	8571	1200.6	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.8	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1265	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.952	—	—	5.00E-02	ug/L	—	—	11-507	CAMO-11-1264	GELC
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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.923	—	—	5.00E-02	ug/L	—	—	11-507	CAMO-11-1265	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1264	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.69	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1265	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	11/12/10	WG	UF	CS	FTB	VOA	SW-846:8260B	Toluene	—	0.3	—	—	2.50E-01	ug/L	J	J	11-507	CAMO-11-1263	GELC
R-14	8571	1200.6	07/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3543	CAMO-10-22851	GELC
R-14	8571	1200.6	05/03/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3002	CAMO-10-16752	GELC
R-14	8571	1200.6	02/03/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-1614	CAMO-10-9333	GELC
R-14	8571	1200.6	11/04/09	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-369	CAMO-10-3215	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	51.6	—	—	7.30E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	56.1	—	—	7.30E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.1	—	—	7.30E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.4	—	—	7.30E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	43.3	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.3	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.3	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.9	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.2	—	—	6.60E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.08	—	—	6.60E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.02	—	—	6.60E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.21	—	—	6.60E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.06	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.188	—	—	3.30E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.178	—	—	3.30E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.18	—	—	3.30E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.236	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.9	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.4	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.7	—	—	3.50E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.2	—	—	3.50E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.9	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	49.3	—	—	3.50E-01	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.3	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22857	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.6	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.03	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.91	—	—	8.50E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
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	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.9	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.24	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.22	—	—	5.00E-02	mg/L	—	J	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.13	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.1	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.16	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	8.06	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.29	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	7.02	—	—	5.00E-01	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.97	—	—	5.00E-01	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	6.9	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.72	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.83	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.74	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.75	—	—	5.00E-02	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.98	—	—	5.00E-02	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.82	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.79	—	—	1.00E-01	mg/L	—	J+	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	J+	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	uS/cm	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	162	—	—	1.00E+00	uS/cm	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	153	—	—	1.00E+00	uS/cm	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.8	—	—	1.00E-01	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.22	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.98	—	—	1.00E-01	mg/L	—	—	10-3193	CAMO-10-16760	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.62	—	—	1.00E-01	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.11	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3193	CAMO-10-16760	GELC
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	11/09/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.06	—	—	3.30E-02	mg/L	J	J+	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3697	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.098	—	—	3.30E-02	mg/L	J	J-	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.396	—	—	3.30E-01	mg/L	J	J	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.462	—	—	3.30E-01	mg/L	J	J	10-3697	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.533	—	—	3.30E-01	mg/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.63	—	—	3.30E-01	mg/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.786	—	—	3.30E-01	mg/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.109	—	—	1.50E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.043	—	—	1.50E-02	mg/L	J	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.057	—	—	1.50E-02	mg/L	—	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.066	—	—	1.50E-02	mg/L	—	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.046	—	—	1.50E-02	mg/L	J	J-	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.1	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	28.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.5	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.5	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	—	0.375	—	—	1.10E-01	ug/L	J	J	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	5	—	—	5.50E-01	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	5	—	—	5.50E-01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.50E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.7	—	—	2.50E+00	ug/L	J	J	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.2	—	—	1.30E+01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10.9	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.2	—	—	2.50E+00	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12	—	—	2.50E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.21	—	—	2.50E+00	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.1	—	—	1.30E+01	ug/L	J	J	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.3	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+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	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.53	—	—	3.00E+00	ug/L	J	J	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+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	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	40.4	—	—	3.00E+01	ug/L	J	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	30.5	—	—	3.00E+01	ug/L	J	J	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.8	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	2440	—	—	3.00E+01	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	155	—	—	3.00E+01	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	578	—	—	3.00E+01	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	138	—	—	3.00E+01	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	39.5	—	—	5.00E-01	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	9.09	—	—	5.00E-01	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.814	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-1823	CAMO-10-9324	GELC
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	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	23.7	—	—	2.00E+00	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.95	—	—	2.00E+00	ug/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	9.29	—	—	2.00E+00	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.922	—	—	5.00E-01	ug/L	J	J	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.843	—	—	5.00E-01	ug/L	J	J	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.603	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.815	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.79	—	—	5.00E-01	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.23	—	—	5.00E-01	ug/L	J	J	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.97	—	—	5.00E-01	ug/L	J	J	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	10-396	CAMO-10-3138	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.4	—	—	5.30E-02	mg/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.6	—	—	5.30E-02	mg/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.4	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	64.1	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.2	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.5	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.1	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.6	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.1	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.3	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	—	3.24	—	—	2.50E+00	ug/L	J	J	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	10	—	—	2.50E+00	ug/L	U	U	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	10	—	—	2.50E+00	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Tin	<	100	—	—	2.50E+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	Tin	<	50	—	—	1.30E+01	ug/L	U	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	5.00E-02	ug/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.456	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.437	—	—	5.00E-02	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.413	—	—	5.00E-02	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.428	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.459	—	—	5.00E-02	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.508	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.465	—	—	5.00E-02	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.388	—	—	5.00E-02	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.425	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.36	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.67	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.09	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.89	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.75	—	—	1.00E+00	ug/L	—	—	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.72	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22857	GELC
R-15	1751	958.6	05/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.7	—	—	1.00E+00	ug/L	—	—	10-3193	CAMO-10-16759	GELC
R-15	1751	958.6	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.13	—	—	1.00E+00	ug/L	—	—	10-1823	CAMO-10-9324	GELC
R-15	1751	958.6	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.16	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3138	GELC
R-15	1751	958.6	11/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.34	—	—	3.30E+00	ug/L	J	J	11-451	CAMO-11-1267	GELC
R-15	1751	958.6	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.23	—	—	3.30E+00	ug/L	J	J	10-3698	CAMO-10-22856	GELC
R-15	1751	958.6	05/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3193	CAMO-10-16760	GELC
R-15	1751	958.6	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-1823	CAMO-10-9323	GELC
R-15	1751	958.6	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-396	CAMO-10-3137	GELC
R-15	1751	958.6	11/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.30E+00	ug/L	J	J	11-451	CAMO-11-1268	GELC
R-15	1751	958.6	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3698	CAMO-10-22857	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.3	—	—	7.30E-01	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.3	—	—	7.30E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.4	—	—	7.30E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.08	—	—	1.60E-02	mg/L	—	J-	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3657	CAMO-10-22894	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.9	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.1	—	—	5.00E-02	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.52	—	—	6.60E-02	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.42	—	—	6.60E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.57	—	—	6.60E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.48	—	—	6.60E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.45	—	—	6.60E-02	mg/L	—	J	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.343	—	—	3.30E-02	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.8	—	—	3.50E-01	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.9	—	—	3.50E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.5	—	—	3.50E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.4	—	—	3.50E-01	mg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	3.50E-01	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	55.9	—	—	3.50E-01	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.7	—	—	3.50E-01	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.75	—	—	8.50E-02	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.72	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.74	—	—	8.50E-02	mg/L	—	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.68	—	—	8.50E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.78	—	—	8.50E-02	mg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.61	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.69	—	—	8.50E-02	mg/L	—	—	10-3019	CAMO-10-16855	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.414	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.439	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22894	GELC
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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.08	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.71	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.88	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.07	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.89	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.76	—	—	5.00E-02	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.84	—	—	5.00E-02	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.6	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	174	—	—	1.00E+00	uS/cm	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	174	—	—	1.00E+00	uS/cm	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.7	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.77	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.01	—	—	1.00E-01	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.67	—	—	1.00E-01	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	J	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	127	—	—	2.40E+00	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.49	—	—	3.30E-01	mg/L	J	J	11-583	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.481	—	—	3.30E-01	mg/L	J	J	10-3656	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.342	—	—	3.30E-01	mg/L	J	J	10-3017	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.373	—	—	3.30E-01	mg/L	J	J	10-1721	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.542	—	—	3.30E-01	mg/L	J	J	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2	—	—	1.50E+00	ug/L	J	J	11-585	CAMO-11-1287	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3657	CAMO-10-22894	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3657	CAMO-10-22896	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.9	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	18.2	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	15.9	—	—	1.00E+00	ug/L	—	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	14	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	16.9	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.6	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	15.8	—	—	1.00E+00	ug/L	—	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.3	—	—	1.50E+01	ug/L	J	J	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22894	GELC
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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	ug/L	J	J	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.1	—	—	1.50E+01	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.57	—	—	2.50E+00	ug/L	J	J	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.85	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.97	—	—	2.50E+00	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.97	—	—	2.50E+00	ug/L	J	J	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.04	—	—	2.50E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.85	—	—	2.50E+00	ug/L	J	J	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.4	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.47	—	—	2.50E+00	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.11	—	—	2.50E+00	ug/L	J	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.45	—	—	2.50E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	18.1	—	—	2.00E+00	ug/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	14	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.71	—	—	2.00E+00	ug/L	J	J	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	12.7	—	—	2.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.14	—	—	2.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	18.1	—	—	2.00E+00	ug/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.5	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.63	—	—	2.00E+00	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	12.6	—	—	2.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.13	—	—	2.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.39	—	—	5.00E-01	ug/L	J	J	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.12	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.61	—	—	5.00E-01	ug/L	J	J	10-3019	CAMO-10-16857	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.41	—	—	5.00E-01	ug/L	J	J	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.07	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.708	—	—	5.00E-01	ug/L	J	J	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.649	—	—	5.00E-01	ug/L	J	J	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.4	—	—	5.30E-02	mg/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.9	—	—	5.30E-02	mg/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55	—	—	5.30E-02	mg/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	55.2	—	—	5.30E-02	mg/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	54.8	—	—	5.30E-02	mg/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	196	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	185	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.2	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.21	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.04	—	—	5.00E-02	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.33	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22894	GELC
R-16	8861	863.4	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16857	GELC
R-16	8861	863.4	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9390	GELC
R-16	8861	863.4	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.1	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3149	GELC
R-16	8861	863.4	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22896	GELC
R-16	8861	863.4	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-3019	CAMO-10-16855	GELC
R-16	8861	863.4	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.3	—	—	1.00E+00	ug/L	—	—	10-1722	CAMO-10-9388	GELC
R-16	8861	863.4	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-633	CAMO-10-3150	GELC
R-16	8861	863.4	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.57	—	—	3.30E+00	ug/L	J	J	11-585	CAMO-11-1287	GELC
R-16	8861	863.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3657	CAMO-10-22894	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.64	—	—	3.30E+00	ug/L	J	J	11-585	CAMO-11-1288	GELC
R-16	8861	863.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3657	CAMO-10-22896	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.4	—	—	7.30E-01	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.9	—	—	7.30E-01	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.3	—	—	7.30E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.044	—	—	1.60E-02	mg/L	J	J-	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.048	—	—	1.60E-02	mg/L	J	J-	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.057	—	—	1.60E-02	mg/L	—	U	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	02/03/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.314	—	—	3.00E-02	mg/L	—	J-	09-801	CAMO-09-2640	GELC
R-16	8871	1237	11/03/08	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.339	—	—	3.00E-02	mg/L	—	—	09-207	CAMO-09-824	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	23.3	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.9	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.6	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.3	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.35	—	—	6.60E-02	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.35	—	—	6.60E-02	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	7.12	—	—	6.60E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.34	—	—	6.60E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.349	—	—	3.30E-02	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.35	—	—	3.30E-02	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.298	—	—	3.30E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.332	—	—	3.30E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	64.9	—	—	3.50E-01	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.1	—	—	3.50E-01	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	63.1	—	—	3.50E-01	mg/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.5	—	—	3.50E-01	mg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.4	—	—	3.50E-01	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.2	—	—	3.50E-01	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	1.66	—	—	8.50E-02	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.66	—	—	8.50E-02	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.46	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.57	—	—	8.50E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	1.63	—	—	8.50E-02	mg/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.51	—	—	8.50E-02	mg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.5	—	—	8.50E-02	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	1.46	—	—	8.50E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.402	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.309	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.415	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.347	—	—	5.00E-02	ug/L	—	—	10-1722	CAMO-10-12326	GELC
R-16	8871	1237	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.362	—	—	5.00E-02	ug/L	—	—	10-633	CAMO-10-3194	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.35	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.32	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1306	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.85	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.01	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	3.26	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.11	—	—	5.00E-02	mg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.86	—	—	5.00E-02	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.91	—	—	5.00E-02	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	14.5	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	184	—	—	1.00E+00	uS/cm	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	185	—	—	1.00E+00	uS/cm	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	3.75	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.76	—	—	1.00E-01	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.58	—	—	1.00E-01	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.66	—	—	1.00E-01	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	139	—	—	2.40E+00	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	137	—	—	2.40E+00	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	150	—	—	2.40E+00	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.052	—	—	3.30E-02	mg/L	J	J-	11-583	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3656	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	02/08/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1721	CAMO-10-12325	GELC
R-16	8871	1237	11/19/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-633	CAMO-10-3193	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.417	—	—	3.30E-01	mg/L	J	J	11-583	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.468	—	—	3.30E-01	mg/L	J	J	11-583	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.585	—	—	3.30E-01	mg/L	J	J	10-3656	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.22	—	—	1.00E-02	SU	H	J-	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.26	—	—	1.00E-02	SU	H	J-	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.28	—	—	1.00E-02	SU	H	J-	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	1.84	—	—	1.50E+00	ug/L	J	J	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.39	—	—	1.50E+00	ug/L	J	J	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.34	—	—	1.50E+00	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.93	—	—	1.50E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	1.87	—	—	1.50E+00	ug/L	J	J	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.55	—	—	1.50E+00	ug/L	J	J	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3657	CAMO-10-22899	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	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	45.2	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	44.5	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.6	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	44.1	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.3	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.5	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.4	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	ug/L	J	J	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.9	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.6	—	—	1.50E+01	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.7	—	—	1.50E+01	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.8	—	—	1.50E+01	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	5.96	—	—	2.50E+00	ug/L	J	J	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.59	—	—	2.50E+00	ug/L	J	J	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.63	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.38	—	—	2.50E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/03/08	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	3	—	—	1.50E+00	ug/L	U	U	09-207	CAMO-09-963	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	6.34	—	—	2.50E+00	ug/L	J	J	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.84	—	—	2.50E+00	ug/L	J	J	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.5	—	—	2.50E+00	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.28	—	—	2.50E+00	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Manganese	—	8.2	—	—	2.00E+00	ug/L	J	J	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	8.66	—	—	2.00E+00	ug/L	J	J	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	14.8	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.74	—	—	2.00E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	7.96	—	—	2.00E+00	ug/L	J	J	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.09	—	—	2.00E+00	ug/L	J	J	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	15.6	—	—	2.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.25	—	—	5.00E-01	ug/L	J	J	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.48	—	—	5.00E-01	ug/L	J	J	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.16	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.582	—	—	5.00E-01	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.52	—	—	5.00E-01	ug/L	J	J	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.36	—	—	5.00E-01	ug/L	J	J	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.17	—	—	5.00E-01	ug/L	J	J	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.801	—	—	5.00E-01	ug/L	J	J	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	54.3	—	—	5.30E-02	mg/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	53.5	—	—	5.30E-02	mg/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	45.1	—	—	5.30E-02	mg/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	49.9	—	—	5.30E-02	mg/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	244	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	242	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	219	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	228	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	237	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	227	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	221	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	217	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	1.43	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.43	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1306	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.62	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	1.48	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.43	—	—	5.00E-02	ug/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.7	—	—	5.00E-02	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	13.7	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	11.8	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	13.6	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.3	—	—	1.00E+00	ug/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	8.58	—	—	3.30E+00	ug/L	J	J	11-585	CAMO-11-1309	GELC
R-16	8871	1237	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.85	—	—	3.30E+00	ug/L	J	J	11-585	CAMO-11-1306	GELC
R-16	8871	1237	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.07	—	—	3.30E+00	ug/L	J	J	10-3657	CAMO-10-22898	GELC
R-16	8871	1237	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.47	—	—	3.30E+00	ug/L	J	J	10-3102	CAMO-10-16851	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	10.7	—	—	3.30E+00	ug/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.22	—	—	3.30E+00	ug/L	J	J	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.2	—	—	3.30E+00	ug/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.5	—	—	3.30E+00	ug/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	PCB	SW-846:8082	Aroclor-1242	—	1.1	—	—	3.70E-02	ug/L	—	—	11-583	CAMO-11-1308	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	<	0.105	—	—	3.50E-02	ug/L	U	U	10-3656	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1242	<	0.105	—	—	3.50E-02	ug/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	PCB	SW-846:8082	Aroclor-1254	—	2.1	—	—	3.70E-02	ug/L	—	—	11-583	CAMO-11-1308	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.105	—	—	3.50E-02	ug/L	U	U	10-3656	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.105	—	—	3.50E-02	ug/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.0066	1.37E-03	2.90E-02	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.005	8.00E-04	3.00E-02	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0133	1.53E-03	2.90E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00882	1.43E-03	2.10E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00189	2.98E-03	4.97E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	1.6	4.00E-01	4.40E+00	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.619	4.67E-01	4.50E+00	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.705	5.33E-01	5.30E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.473	4.00E-01	4.10E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	5.10E-01	4.66E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-0.59	4.67E-01	4.20E+00	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.31	5.00E-01	5.50E+00	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.108	4.67E-01	4.50E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.92	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.335	4.63E-01	4.40E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.52	2.57E-01	2.10E+00	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.56	2.60E-01	2.10E+00	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.79	3.00E-01	2.60E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.5	2.73E-01	2.40E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.596	1.43E-01	1.36E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	—	3.53	3.07E-01	2.20E+00	—	pCi/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.57	3.07E-01	2.20E+00	—	pCi/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.35	2.97E-01	2.90E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/17/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	66.1	8.00E+00	8.90E+01	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	43.1	2.77E+01	8.20E+01	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	8.45	1.27E+00	1.80E+01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	54	5.33E+00	5.30E+01	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	68.3	1.46E+01	1.92E+02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	1.19	9.00E-01	9.00E+00	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-1.03	8.33E-01	8.10E+00	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.63	1.00E+00	1.00E+01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.389	8.00E-01	8.00E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-13.4	3.63E+00	2.99E+01	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00436	1.27E-03	2.50E-02	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00226	7.67E-04	2.60E-02	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.40E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00941	3.67E-03	3.70E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00775	3.03E-03	1.42E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	-0.00218	1.63E-03	4.50E-02	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00452	1.30E-03	4.70E-02	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00184	1.07E-03	2.50E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0094	1.93E-03	3.50E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00774	2.04E-03	2.24E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-22.3	5.67E+00	5.40E+01	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.9	4.67E+00	5.20E+01	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.8	6.67E+00	6.70E+01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-20.8	5.67E+00	5.40E+01	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	60.3	5.30E+00	3.80E+01	—	pCi/L	UI	R	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.986	4.00E-01	3.50E+00	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.705	4.33E-01	4.20E+00	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.5	5.00E-01	4.00E+00	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.17	4.00E-01	4.30E+00	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	5.00E-01	4.52E+00	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.0314	4.00E-02	4.10E-01	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.123	4.33E-02	4.30E-01	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.197	4.33E-02	4.90E-01	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.432	5.00E-02	4.50E-01	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.198	2.28E-02	3.53E-01	—	pCi/L	U	U, J	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.676	2.13E-02	5.60E-02	—	pCi/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.673	2.13E-02	5.50E-02	—	pCi/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.762	2.70E-02	1.30E-01	—	pCi/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.679	2.20E-02	4.50E-02	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.031	2.56E-03	4.20E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0362	3.67E-03	3.70E-02	—	pCi/L	U	U	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0258	3.10E-03	3.60E-02	—	pCi/L	U	U	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0287	4.33E-03	6.30E-02	—	pCi/L	U	U	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0237	3.33E-03	4.10E-02	—	pCi/L	U	U	10-3102	CAMO-10-16852	GELC
R-16	8871	1237	03/06/07	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00202	1.17E-03	2.96E-02	—	pCi/L	U	U	182124	GU07030G16R401	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.424	1.50E-02	3.70E-02	—	pCi/L	—	—	11-585	CAMO-11-1308	GELC
R-16	8871	1237	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.464	1.60E-02	3.60E-02	—	pCi/L	—	—	11-585	CAMO-11-1305	GELC
R-16	8871	1237	07/12/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.431	1.80E-02	8.10E-02	—	pCi/L	—	—	10-3657	CAMO-10-22899	GELC
R-16	8871	1237	05/07/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.443	1.60E-02	4.10E-02	—	pCi/L	—	—	10-3102	CAMO-10-16852	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	76.8	—	—	7.30E-01	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	81.5	—	—	7.30E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	75.8	—	—	7.30E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.2	—	—	7.30E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.9	—	—	7.30E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.8	—	—	5.00E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.4	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.5	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.5	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.6	—	—	5.00E-02	mg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.2	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	19.7	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.2	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.28	—	—	6.60E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.19	—	—	6.60E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.24	—	—	6.60E-02	mg/L	—	J+	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	J	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.357	—	—	3.30E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.314	—	—	3.30E-02	mg/L	—	J-	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.363	—	—	3.30E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.385	—	—	3.30E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.379	—	—	3.30E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	55.3	—	—	3.50E-01	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.7	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	50.5	—	—	3.50E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.3	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52	—	—	3.50E-01	mg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.2	—	—	3.50E-01	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.4	—	—	3.50E-01	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.6	—	—	3.50E-01	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.3	—	—	3.50E-01	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.814	—	—	8.50E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.803	—	—	8.50E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.766	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.609	—	—	8.50E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.771	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.755	—	—	8.50E-02	mg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.778	—	—	8.50E-02	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.778	—	—	8.50E-02	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.82	—	—	8.50E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	0.72	—	—	8.50E-02	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.454	—	—	5.00E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.525	—	—	5.00E-02	mg/L	—	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.535	—	—	5.00E-02	mg/L	—	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.411	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.461	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	ug/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.403	—	—	5.00E-02	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.358	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.317	—	—	5.00E-02	ug/L	—	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.4	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.15	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.13	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.47	—	—	5.00E-02	mg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.14	—	—	5.00E-02	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.21	—	—	5.00E-02	mg/L	—	—	10-1646	CAMO-10-9337	GELC
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	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.4	—	—	1.00E-01	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.9	—	—	1.00E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.7	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.9	—	—	1.00E-01	mg/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	174	—	—	1.00E+00	uS/cm	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	178	—	—	1.00E+00	uS/cm	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.15	—	—	1.00E-01	mg/L	—	J+	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.33	—	—	1.00E-01	mg/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.25	—	—	1.00E-01	mg/L	—	J+	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.17	—	—	1.00E-01	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	129	—	—	2.40E+00	mg/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	132	—	—	2.40E+00	mg/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.472	—	—	3.30E-01	mg/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-3711	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-1645	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.406	—	—	3.30E-01	mg/L	J	J	10-535	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.27	—	—	1.00E-02	SU	H	J-	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.11	—	—	1.00E-02	SU	H	J-	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	10-536	CAMO-10-3143	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.1	—	—	1.50E+00	ug/L	B	J	10-3712	CAMO-10-22863	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.49	—	—	1.50E+00	ug/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.23	—	—	1.50E+00	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.75	—	—	1.50E+00	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.12	—	—	1.50E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.9	—	—	1.00E+00	ug/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.5	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.5	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	GELC
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.7	—	—	1.00E+00	ug/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.2	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.2	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	61.6	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.6	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.2	—	—	1.50E+01	ug/L	J	J	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.8	—	—	1.50E+01	ug/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.5	—	—	1.50E+01	ug/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23	—	—	1.50E+01	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.7	—	—	1.50E+01	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.2	—	—	1.50E+01	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.48	—	—	2.50E+00	ug/L	J	J	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.83	—	—	2.50E+00	ug/L	B	J	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.01	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.65	—	—	2.50E+00	ug/L	J	J	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.14	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.36	—	—	2.50E+00	ug/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	9.56	—	—	2.50E+00	ug/L	B	J	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.46	—	—	2.50E+00	ug/L	J	J	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.1	—	—	2.50E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.54	—	—	2.50E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	43.3	—	—	5.30E-02	mg/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	38.7	—	—	5.30E-02	mg/L	—	—	10-3712	CAMO-10-22863	GELC
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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	203	—	—	1.00E+00	ug/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	179	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	176	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	189	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	191	—	—	1.00E+00	ug/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	192	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.19	—	—	5.00E-02	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.23	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.36	—	—	5.00E-02	ug/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.14	—	—	5.00E-02	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22863	GELC
R-16r	6341	600	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16834	GELC
R-16r	6341	600	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9340	GELC
R-16r	6341	600	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.9	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3143	GELC
R-16r	6341	600	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.1	—	—	1.00E+00	ug/L	—	—	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.2	—	—	1.00E+00	ug/L	—	—	10-3712	CAMO-10-22861	GELC
R-16r	6341	600	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3098	CAMO-10-16833	GELC
R-16r	6341	600	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	10-1646	CAMO-10-9337	GELC
R-16r	6341	600	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.4	—	—	1.00E+00	ug/L	—	—	10-536	CAMO-10-3144	GELC
R-16r	6341	600	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.97	—	—	3.30E+00	ug/L	J	J	11-493	CAMO-11-1290	GELC
R-16r	6341	600	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	17.1	—	—	3.30E+00	ug/L	—	U	10-3712	CAMO-10-22863	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.1	—	—	3.30E+00	ug/L	J	J	11-493	CAMO-11-1289	GELC
R-16r	6341	600	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	19.7	—	—	3.30E+00	ug/L	—	U	10-3712	CAMO-10-22861	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-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	71.8	—	—	7.30E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72	—	—	7.30E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.4	—	—	7.30E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.6	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.238	—	—	6.60E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.265	—	—	6.60E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.244	—	—	6.60E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.233	—	—	6.60E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.224	—	—	6.60E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	45.5	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	44.8	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	43.3	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	41.5	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	42	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.5	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.7	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.1	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	42.5	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9326	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	32.5	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	31.7	—	—	3.30E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.2	—	—	3.30E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	30.8	—	—	3.30E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	29.4	—	—	6.60E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0028	—	—	1.70E-03	mg/L	J	J	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00391	—	—	1.70E-03	mg/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00388	—	—	1.70E-03	mg/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00239	—	—	1.70E-03	mg/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0045	—	—	1.70E-03	mg/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.286	—	—	3.30E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.267	—	—	3.30E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.317	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	162	—	—	3.50E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	158	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	153	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	149	—	—	3.50E+00	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	149	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	169	—	—	3.50E-01	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	152	—	—	3.50E-01	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	148	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	152	—	—	3.50E+00	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	151	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.7	—	—	8.50E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.3	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.8	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.7	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.3	—	—	8.50E-02	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.9	—	—	8.50E-02	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.5	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	11.1	—	—	8.50E-01	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.6	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.93	—	—	2.50E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.72	—	—	1.00E-01	mg/L	—	J	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.24	—	—	1.00E-01	mg/L	—	J	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	3.47	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.17	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	ug/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.06	—	—	1.00E-01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.99	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.815	—	—	5.00E-02	ug/L	—	J	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.97	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.74	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.79	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.84	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.65	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.88	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.67	—	—	5.00E-02	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.77	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.69	—	—	5.00E-02	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.76	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.8	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	1.00E-01	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.4	—	—	1.00E-01	mg/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.8	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	408	—	—	1.00E+00	uS/cm	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	408	—	—	1.00E+00	uS/cm	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	409	—	—	1.00E+00	uS/cm	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	373	—	—	1.00E+00	uS/cm	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	391	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47.6	—	—	5.00E-01	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	47	—	—	5.00E-01	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	50.6	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	45.1	—	—	5.00E-01	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	44.6	—	—	1.00E+00	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	310	—	—	2.40E+00	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	315	—	—	2.40E+00	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	316	—	—	2.40E+00	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	318	—	—	2.40E+00	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	300	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.128	—	—	3.30E-02	mg/L	—	J+	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3697	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-3175	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1614	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	1.4	—	—	3.30E-02	mg/L	—	J-	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.652	—	—	3.30E-01	mg/L	J	J	10-3697	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.622	—	—	3.30E-01	mg/L	J	J	10-3175	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.406	—	—	3.30E-01	mg/L	J	J	10-1614	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.957	—	—	3.30E-01	mg/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.096	—	—	1.50E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.045	—	—	1.50E-02	mg/L	J	U	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.054	—	—	1.50E-02	mg/L	—	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.069	—	—	1.50E-02	mg/L	—	J-	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-1615	CAMO-10-9328	GELC
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	11/10/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	0.98	—	—	—	%	—	—	11-745	CAMO-11-1272	UIL

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	05/01/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.12	—	—	—	%	—	—	09-1857	CAMO-09-8178	UIL
R-28	1781	934.3	11/10/08	WG	F	RE	—	Isotope	SW-846:6020	Chromium-53/52	—	1.13	—	—	—	%	—	—	09-324	CAMO-09-809	UIL
R-28	1781	934.3	08/15/08	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.05	—	—	1.00E-01	%	—	—	08-1741	CAMO-08-14542	UIL
R-28	1781	934.3	05/14/08	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.01	—	—	1.00E-01	%	—	—	08-1271	CAMO-08-12767	UIL
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65.9	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	67.2	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	66.5	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.1	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	61.4	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	69.4	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.4	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	64.6	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.8	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	62.3	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	ug/L	J	J	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.1	—	—	1.50E+01	ug/L	J	J	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.7	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	23.9	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.6	—	—	1.50E+01	ug/L	J	J	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.8	—	—	1.50E+01	ug/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.5	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	402	—	—	2.50E+00	ug/L	E	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	558	—	—	5.00E+01	ug/L	—	R	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	07/14/10	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	472	—	—	2.50E+01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	342	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	321	—	—	2.50E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	358	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	409	—	—	2.50E+00	ug/L	E	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	539	—	—	5.00E+01	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	340	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	325	—	—	2.50E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	365	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.3	—	—	3.00E+01	ug/L	J	J	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	85.8	—	—	3.00E+01	ug/L	J	J	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	41.3	—	—	3.00E+01	ug/L	J	J	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.2	—	—	3.00E+01	ug/L	J	J	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	45.9	—	—	3.00E+01	ug/L	J	J	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	47.3	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.1	—	—	2.00E+00	ug/L	J	J	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+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	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.31	—	—	2.00E+00	ug/L	J	J	11-467	CAMO-11-1271	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	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	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	34	—	—	5.00E-01	ug/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.7	—	—	5.00E-01	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	20.8	—	—	5.00E-01	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	21.1	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	35.3	—	—	5.00E-01	ug/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.7	—	—	5.00E-01	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	5.00E-01	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	20.9	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.4	—	—	5.30E-02	mg/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.9	—	—	5.30E-02	mg/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.3	—	—	5.30E-02	mg/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	167	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	170	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	157	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	158	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	163	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	162	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.34	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.25	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9328	GELC
R-28	1781	934.3	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3132	GELC
R-28	1781	934.3	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.22	—	—	5.00E-02	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.28	—	—	5.00E-02	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.13	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.42	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22859	GELC
R-28	1781	934.3	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.45	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16765	GELC
R-28	1781	934.3	02/03/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.6	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9328	GELC
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	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.8	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.03	—	—	1.00E+00	ug/L	—	—	10-3698	CAMO-10-22860	GELC
R-28	1781	934.3	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.55	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16764	GELC
R-28	1781	934.3	02/03/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.99	—	—	1.00E+00	ug/L	—	—	10-1615	CAMO-10-9326	GELC
R-28	1781	934.3	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3130	GELC
R-28	1781	934.3	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.68	—	—	3.30E+00	ug/L	J	J	11-467	CAMO-11-1272	GELC
R-28	1781	934.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3698	CAMO-10-22859	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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
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	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.66	—	—	3.30E+00	ug/L	J	J	11-467	CAMO-11-1271	GELC
R-28	1781	934.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3698	CAMO-10-22860	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-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.5	—	—	7.30E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.7	—	—	7.30E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.2	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.8	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.5	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.23	—	—	6.60E-02	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.2	—	—	6.60E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.21	—	—	6.60E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.15	—	—	6.60E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.226	—	—	3.30E-02	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.215	—	—	3.30E-02	mg/L	—	J-	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.199	—	—	3.30E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
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	11/18/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	42.4	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.6	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.5	—	—	3.50E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.9	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	42.6	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.87	—	—	8.50E-02	mg/L	—	J	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.55	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.7	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16816	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.436	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.391	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.37	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.451	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.7	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.28	—	—	5.00E-01	mg/L	J	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.71	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-01	mg/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	5.00E-02	mg/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.5	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22883	GELC
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	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	uS/cm	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	142	—	—	1.00E+00	uS/cm	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	151	—	—	1.00E+00	uS/cm	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	139	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	143	—	—	1.00E+00	uS/cm	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.09	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.93	—	—	1.00E-01	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.9	—	—	1.00E-01	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	J	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	J	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	145	—	—	2.40E+00	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.66	—	—	1.00E-02	SU	H	J-	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.51	—	—	1.00E-02	SU	H	J-	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.74	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9363	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.3	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.7	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.25	—	—	2.50E+00	ug/L	J	J	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.1	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22884	GELC
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	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.07	—	—	2.50E+00	ug/L	J	J	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.99	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.4	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.86	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	2.99	—	—	2.50E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.1	—	—	5.30E-02	mg/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.8	—	—	5.30E-02	mg/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79	—	—	5.30E-02	mg/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78	—	—	5.30E-02	mg/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.2	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.4	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.1	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	54	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
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	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.954	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.95	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.748	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.826	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.826	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.931	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.909	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.785	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.813	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.823	—	—	5.00E-02	ug/L	—	—	10-423	CAMO-10-3196	GELC
R-33	5491	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.97	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.04	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22884	GELC
R-33	5491	995.5	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.06	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16817	GELC
R-33	5491	995.5	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6.83	—	—	1.00E+00	ug/L	—	U	10-1496	CAMO-10-9363	GELC
R-33	5491	995.5	11/09/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.37	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3195	GELC
R-33	5491	995.5	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.08	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.68	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.02	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.77	—	—	1.00E+00	ug/L	—	U	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.44	—	—	1.00E+00	ug/L	—	—	10-423	CAMO-10-3196	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5491	995.5	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.46	—	—	3.30E+00	ug/L	J	J	11-600	CAMO-11-1296	GELC
R-33	5491	995.5	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3636	CAMO-10-22884	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	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.53	—	—	3.30E+00	ug/L	J	J	11-600	CAMO-11-1297	GELC
R-33	5491	995.5	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.4	—	—	3.30E+00	ug/L	—	—	10-3636	CAMO-10-22883	GELC
R-33	5491	995.5	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	52.4	—	—	3.30E+00	ug/L	—	—	10-3157	CAMO-10-16816	GELC
R-33	5491	995.5	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.83	—	—	3.30E+00	ug/L	J	J	10-1497	CAMO-10-9361	GELC
R-33	5491	995.5	11/09/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.98	—	—	3.30E+00	ug/L	J	J	10-423	CAMO-10-3196	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.7	—	—	7.30E-01	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.1	—	—	7.30E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.7	—	—	7.30E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.4	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.8	—	—	5.00E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.3	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.1	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.93	—	—	6.60E-02	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.83	—	—	6.60E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.88	—	—	6.60E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.87	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/06/09	WG	F	RE	—	Geninorg	EPA:300.0	Chloride	—	1.85	—	—	6.60E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.221	—	—	3.30E-02	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.185	—	—	3.30E-02	mg/L	—	J-	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.175	—	—	3.30E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.158	—	—	3.30E-02	mg/L	—	J-	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.165	—	—	3.30E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	41.1	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.2	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.4	—	—	3.50E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.8	—	—	3.50E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	46.1	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	40.9	—	—	3.50E-01	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.9	—	—	3.50E-01	mg/L	—	—	10-1497	CAMO-10-9367	GELC
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	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.67	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.2	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.23	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4	—	—	8.50E-02	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.27	—	—	8.50E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.398	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.372	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.343	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.322	—	—	5.00E-02	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.369	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.48	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.29	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.87	—	—	5.00E-01	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.33	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.6	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.39	—	—	5.00E-02	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.14	—	—	5.00E-01	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.36	—	—	5.00E-02	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.7	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E+00	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.6	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.2	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E+00	mg/L	—	—	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.9	—	—	1.00E-01	mg/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	137	—	—	1.00E+00	uS/cm	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.29	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.35	—	—	1.00E-01	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.33	—	—	1.00E-01	mg/L	—	—	10-3157	CAMO-10-16820	GELC
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	11/18/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	J	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	J	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.78	—	—	1.00E-02	SU	H	J-	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.99	—	—	1.00E-02	SU	H	J-	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.83	—	—	1.00E-02	SU	H	J-	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.86	—	—	1.00E-02	SU	H	J-	10-411	CAMO-10-3213	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.4	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.3	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.6	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.1	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.44	—	—	2.50E+00	ug/L	J	J	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.66	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.73	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	8.32	—	—	2.50E+00	ug/L	J	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.79	—	—	2.50E+00	ug/L	J	J	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.42	—	—	2.50E+00	ug/L	J	J	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.64	—	—	2.50E+00	ug/L	J	J	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.9	—	—	2.50E+00	ug/L	J	J	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.55	—	—	2.50E+00	ug/L	J	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.93	—	—	2.50E+00	ug/L	J	J	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.9	—	—	5.30E-02	mg/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.6	—	—	5.30E-02	mg/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.1	—	—	5.30E-02	mg/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.8	—	—	5.30E-02	mg/L	—	—	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81.1	—	—	5.30E-02	mg/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.7	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	47.7	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.1	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	53.1	—	—	1.00E+00	ug/L	—	J	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	50.6	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.1	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	51.9	—	—	1.00E+00	ug/L	—	J	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.5	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.09	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.12	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.955	—	—	5.00E-02	ug/L	—	J+	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.985	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.11	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1300	GELC
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.1	—	—	5.00E-02	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.956	—	—	5.00E-02	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.996	—	—	5.00E-02	ug/L	N	J+	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.959	—	—	5.00E-02	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-33	5501	1112.4	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.62	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1301	GELC
R-33	5501	1112.4	07/09/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.33	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22887	GELC
R-33	5501	1112.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16820	GELC
R-33	5501	1112.4	01/28/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	6.51	—	—	1.00E+00	ug/L	—	U	10-1496	CAMO-10-9365	GELC
R-33	5501	1112.4	11/06/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.37	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3213	GELC
R-33	5501	1112.4	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.72	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1300	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-33	5501	1112.4	07/09/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	10-3636	CAMO-10-22885	GELC
R-33	5501	1112.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.69	—	—	1.00E+00	ug/L	—	—	10-3157	CAMO-10-16818	GELC
R-33	5501	1112.4	01/28/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	6.71	—	—	1.00E+00	ug/L	—	U	10-1497	CAMO-10-9367	GELC
R-33	5501	1112.4	11/06/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.39	—	—	1.00E+00	ug/L	—	—	10-411	CAMO-10-3211	GELC
R-34	1791	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	uS/cm	—	—	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	161	—	—	1.00E+00	uS/cm	—	—	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	155	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	154	—	—	1.00E+00	uS/cm	—	—	10-494	CAMO-10-3146	GELC
R-34	1791	883.7	07/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3632	CAMO-10-22880	GELC
R-34	1791	883.7	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.53	—	—	1.00E-02	SU	H	J-	10-3076	CAMO-10-16836	GELC
R-34	1791	883.7	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.49	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9348	GELC
R-34	1791	883.7	11/12/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.38	—	—	1.00E-02	SU	H	J-	10-494	CAMO-10-3146	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.1	—	—	7.30E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.9	—	—	7.30E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.1	—	—	7.30E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	58.2	—	—	7.30E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.226	—	—	6.60E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.217	—	—	6.60E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.192	—	—	6.60E-02	mg/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.183	—	—	6.60E-02	mg/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.19	—	—	6.60E-02	mg/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	51.4	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.8	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.6	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	46.7	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.1	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	51.5	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.6	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	46.6	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	49.5	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	35.9	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	34.1	—	—	6.60E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.9	—	—	3.30E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.7	—	—	3.30E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	33.2	—	—	6.60E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.2	—	—	3.30E-02	mg/L	—	J-	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.242	—	—	3.30E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.279	—	—	3.30E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.28	—	—	3.30E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	189	—	—	3.50E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	178	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	177	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	189	—	—	3.50E-01	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	179	—	—	3.50E-01	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	181	—	—	3.50E-01	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	171	—	—	3.50E-01	mg/L	—	—	10-1807	CAMO-10-9357	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	8.50E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.7	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	12.8	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.6	—	—	8.50E-02	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.2	—	—	8.50E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.4	—	—	8.50E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6	—	—	2.50E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.08	—	—	2.50E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.34	—	—	1.00E-01	mg/L	—	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.99	—	—	1.00E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	6.3	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.46	—	—	1.00E-01	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.38	—	—	1.00E-01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.31	—	—	1.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.38	—	—	1.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.28	—	—	1.00E-01	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.26	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.4	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.25	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.34	—	—	5.00E-02	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.27	—	—	5.00E-02	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.44	—	—	5.00E-02	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.39	—	—	5.00E-02	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.5	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.1	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.8	—	—	1.00E-01	mg/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.1	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	—	J+	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	466	—	—	1.00E+00	uS/cm	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	456	—	—	1.00E+00	uS/cm	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	471	—	—	1.00E+00	uS/cm	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	448	—	—	1.00E+00	uS/cm	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	438	—	—	1.00E+00	uS/cm	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	71.2	—	—	5.00E-01	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	69	—	—	1.00E+00	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	80.6	—	—	1.00E-01	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	68.6	—	—	5.00E-01	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	65.1	—	—	1.00E+00	mg/L	—	—	10-396	CAMO-10-3219	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	359	—	—	2.40E+00	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	369	—	—	2.40E+00	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	315	—	—	2.40E+00	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	341	—	—	2.40E+00	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	338	—	—	2.40E+00	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.168	—	—	3.30E-02	mg/L	—	J+	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3666	CAMO-10-22891	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	11/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	3.30E-01	mg/L	—	—	10-3666	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.21	—	—	3.30E-01	mg/L	—	—	10-3175	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.5	—	—	3.30E-01	mg/L	—	—	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.58	—	—	3.30E-01	mg/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	1.50E-02	mg/L	J	J	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.016	—	—	1.50E-02	mg/L	J	U	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.086	—	—	1.50E-02	mg/L	—	U	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.066	—	—	1.50E-02	mg/L	—	J-	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.69	—	—	1.00E-02	SU	H	J-	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.73	—	—	1.00E-02	SU	H	J-	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.71	—	—	1.00E-02	SU	H	J-	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	0.96	—	—	—	%	—	—	11-745	CAMO-11-1274	UIL
R-42	8591	931.8	02/10/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.21	—	—	—	%	—	—	10-3591	CAMO-10-9739	UIL
R-42	8591	931.8	11/05/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.19	—	—	—	%	—	—	10-1028	CAMO-10-3900	UIL
R-42	8591	931.8	08/14/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	0.96	—	—	—	%	—	—	09-3060	CAMO-09-9570	UIL
R-42	8591	931.8	05/11/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.07	—	—	—	%	—	—	09-1857	CAMO-09-8210	UIL
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	88.3	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	84.2	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	86.2	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82.2	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	82	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.6	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	84.9	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	88.7	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	81.7	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
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	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.6	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.1	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.3	—	—	1.50E+01	ug/L	J	J	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21.6	—	—	1.50E+01	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.6	—	—	1.50E+01	ug/L	J	J	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	995	—	—	2.50E+00	ug/L	E	—	11-467	CAMO-11-1274	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	1240	—	—	5.00E+01	ug/L	—	R	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	07/13/10	WG	F	RE	—	Metals	SW-846:6020	Chromium	—	1060	—	—	5.00E+01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	850	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	1240	—	—	5.00E+01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	894	—	—	2.50E+01	ug/L	—	—	10-1971	CAMO-10-9728	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	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	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1270	—	—	5.00E+01	ug/L	E	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1210	—	—	5.00E+01	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	960	—	—	2.50E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	1180	—	—	5.00E+01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	905	—	—	2.50E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	39.3	—	—	3.00E+01	ug/L	J	J	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	60.8	—	—	3.00E+01	ug/L	J	J	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	33.5	—	—	3.00E+01	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	50	—	—	3.00E+01	ug/L	J	J	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.36	—	—	2.00E+00	ug/L	J	J	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.43	—	—	2.00E+00	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.13	—	—	2.00E+00	ug/L	J	J	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.08	—	—	2.00E+00	ug/L	J	J	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.35	—	—	2.00E+00	ug/L	J	J	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.62	—	—	2.00E+00	ug/L	J	J	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.33	—	—	2.00E+00	ug/L	J	J	10-3667	CAMO-10-22891	GELC
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	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	24.5	—	—	5.00E-01	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23.8	—	—	5.00E-01	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	25.3	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	23	—	—	5.00E-01	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17.1	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	26.4	—	—	5.00E-01	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.5	—	—	5.00E-01	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	29.2	—	—	5.00E-01	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	21.8	—	—	5.00E-01	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18	—	—	5.00E-01	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.1	—	—	5.30E-02	mg/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.5	—	—	5.30E-02	mg/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.1	—	—	5.30E-02	mg/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.3	—	—	5.30E-02	mg/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	184	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	177	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	188	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	183	—	—	1.00E+00	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	187	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	178	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	181	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.686	—	—	5.00E-02	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.722	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.599	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.626	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.62	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	5.00E-02	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.704	—	—	5.00E-02	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.602	—	—	5.00E-02	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.648	—	—	5.00E-02	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.633	—	—	5.00E-02	ug/L	—	U	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.35	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.82	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.26	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.04	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.18	—	—	1.00E+00	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.92	—	—	1.00E+00	ug/L	J	J	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.77	—	—	1.00E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.32	—	—	1.00E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	12.7	—	—	3.30E+00	ug/L	—	—	11-467	CAMO-11-1274	GELC
R-42	8591	931.8	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	14.4	—	—	3.30E+00	ug/L	—	—	10-3667	CAMO-10-22893	GELC
R-42	8591	931.8	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.3	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16821	GELC
R-42	8591	931.8	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	21.4	—	—	3.30E+00	ug/L	—	—	10-1807	CAMO-10-9355	GELC
R-42	8591	931.8	11/05/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	23.3	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3219	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.3	—	—	3.30E+00	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	14.6	—	—	3.30E+00	ug/L	—	—	10-3667	CAMO-10-22891	GELC
R-42	8591	931.8	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	22.5	—	—	3.30E+00	ug/L	—	—	10-3176	CAMO-10-16822	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	20.8	—	—	3.30E+00	ug/L	—	—	10-1807	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26	—	—	3.30E+00	ug/L	—	—	10-396	CAMO-10-3218	GELC
R-42	8591	931.8	11/10/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	—	40.3	—	—	2.00E+00	ug/L	—	—	11-467	CAMO-11-1273	GELC
R-42	8591	931.8	02/10/10	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	2.74	—	—	5.50E-01	ug/L	U	U	10-1806	CAMO-10-9357	GELC
R-42	8591	931.8	11/05/09	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	11.4	—	—	2.30E+00	ug/L	U	U	10-395	CAMO-10-3218	GELC
R-42	8591	931.8	08/14/09	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.4	—	—	2.10E+00	ug/L	U	U	09-2894	CAMO-09-9568	GELC
R-42	8591	931.8	05/11/09	WG	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.2	—	—	2.00E+00	ug/L	U	U	09-1822	CAMO-09-8209	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.1	—	—	7.30E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.5	—	—	7.30E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	53.7	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.8	—	—	7.30E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
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	11/18/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.024	—	—	1.60E-02	mg/L	J	J-	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3703	CAMO-10-22864	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.9	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.3	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.4	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.11	—	—	6.60E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.13	—	—	6.60E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.06	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.05	—	—	6.60E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	J	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.315	—	—	3.30E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.305	—	—	3.30E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.364	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.268	—	—	3.30E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	48.1	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.7	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	43.3	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.7	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.2	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.3	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.69	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.32	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.66	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.44	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.39	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.123	—	—	1.00E-02	mg/L	—	J	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.06	—	—	5.00E-02	mg/L	—	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	1.00E-01	mg/L	—	J	10-3024	CAMO-10-16841	GELC
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	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.444	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.438	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.375	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.382	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.432	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.03	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.984	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.17	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.06	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.18	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.97	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.9	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.47	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.68	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.56	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.87	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.12	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.73	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	8.83	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.63	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	uS/cm	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	132	—	—	1.00E+00	uS/cm	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	135	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	133	—	—	1.00E+00	uS/cm	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	131	—	—	1.00E+00	uS/cm	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.05	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.52	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.3	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.06	—	—	1.00E-01	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.03	—	—	1.00E-01	mg/L	—	J	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	130	—	—	2.40E+00	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	156	—	—	2.40E+00	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	136	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	144	—	—	2.40E+00	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	140	—	—	2.40E+00	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.84	—	—	1.00E-02	SU	H	J-	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3703	CAMO-10-22864	GELC
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	11/18/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1	—	—	—	%	—	—	11-745	CAMO-11-1275	UIL
R-44	8671	895	02/10/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.28	—	—	—	%	—	—	10-3591	CAMO-10-9738	UIL
R-44	8671	895	11/13/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.2	—	—	—	%	—	—	10-1026	CAMO-10-4774	UIL
R-44	8671	895	08/17/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.18	—	—	—	%	—	—	09-3060	CAMO-09-9919	UIL
R-44	8671	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.5	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.1	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	22.6	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	22.3	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.4	—	—	1.50E+01	ug/L	J	J	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.2	—	—	1.50E+01	ug/L	J	J	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.8	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.6	—	—	1.50E+01	ug/L	J	J	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.50E+00	ug/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.3	—	—	2.50E+00	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.1	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	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	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.2	—	—	2.50E+00	ug/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	12.4	—	—	2.50E+00	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.7	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.50E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.8	—	—	2.50E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	62.6	—	—	3.00E+01	ug/L	J	J	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	78.7	—	—	3.00E+01	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	78	—	—	3.00E+01	ug/L	J	J	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	51.9	—	—	3.00E+01	ug/L	J	J	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	81.1	—	—	3.00E+01	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.5	—	—	5.30E-02	mg/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.1	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	5.30E-02	mg/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69	—	—	5.30E-02	mg/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	58.6	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.6	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	55.3	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	51.2	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.3	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	56.9	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.1	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	53.8	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.546	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.491	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.374	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16841	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.474	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.553	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.359	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.478	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.464	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3225	GELC
R-44	8671	895	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.07	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.48	—	—	1.00E+00	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.21	—	—	1.00E+00	ug/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.19	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.89	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.52	—	—	1.00E+00	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.73	—	—	1.00E+00	ug/L	J	J	10-3024	CAMO-10-16840	GELC
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	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.09	—	—	3.30E+00	ug/L	J	J	11-600	CAMO-11-1275	GELC
R-44	8671	895	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.46	—	—	3.30E+00	ug/L	J	J	10-3703	CAMO-10-22864	GELC
R-44	8671	895	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.27	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16841	GELC
R-44	8671	895	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.26	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9372	GELC
R-44	8671	895	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	12.2	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3224	GELC
R-44	8671	895	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.19	—	—	3.30E+00	ug/L	J	J	11-600	CAMO-11-1276	GELC
R-44	8671	895	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.58	—	—	3.30E+00	ug/L	J	J	10-3703	CAMO-10-22866	GELC
R-44	8671	895	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.9	—	—	3.30E+00	ug/L	—	—	10-3024	CAMO-10-16840	GELC
R-44	8671	895	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.1	—	—	3.30E+00	ug/L	—	—	10-1802	CAMO-10-9370	GELC
R-44	8671	895	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	14.2	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3225	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	60.2	—	—	7.30E-01	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.8	—	—	7.30E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	61.9	—	—	7.30E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.2	—	—	7.30E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.1	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.2	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.8	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
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	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.8	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.7	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.1	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.22	—	—	6.60E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.26	—	—	6.60E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.12	—	—	6.60E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.16	—	—	6.60E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.1	—	—	6.60E-02	mg/L	—	J	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.34	—	—	3.30E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.308	—	—	3.30E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.341	—	—	3.30E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/18/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	52.3	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	49	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47.6	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	47	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.2	—	—	3.50E-01	mg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.4	—	—	3.50E-01	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.2	—	—	3.50E-01	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	48	—	—	3.50E-01	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.15	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.77	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.86	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.81	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.53	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.8	—	—	8.50E-02	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.79	—	—	8.50E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.71	—	—	8.50E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.363	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.368	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.315	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.412	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.22	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.31	—	—	5.00E-02	mg/L	—	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.95	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.31	—	—	1.00E-01	mg/L	—	J+	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.4	—	—	1.00E-01	mg/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	145	—	—	1.00E+00	uS/cm	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	146	—	—	1.00E+00	uS/cm	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	147	—	—	1.00E+00	uS/cm	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	144	—	—	1.00E+00	uS/cm	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	134	—	—	1.00E+00	uS/cm	—	—	10-515	CAMO-10-3227	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.89	—	—	1.00E-01	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.82	—	—	1.00E-01	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.38	—	—	1.00E-01	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.36	—	—	1.00E-01	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.03	—	—	1.00E-01	mg/L	—	J	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	158	—	—	2.40E+00	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	146	—	—	2.40E+00	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	141	—	—	2.40E+00	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.28	—	—	—	%	—	—	11-745	CAMO-11-1277	UIL
R-44	8681	985.3	02/10/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.29	—	—	—	%	—	—	10-3591	CAMO-10-9736	UIL
R-44	8681	985.3	11/13/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.23	—	—	—	%	—	—	10-1026	CAMO-10-4772	UIL
R-44	8681	985.3	08/17/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.13	—	—	—	%	—	—	09-3060	CAMO-09-9925	UIL
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.8	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.2	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.2	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.7	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.8	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.9	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.3	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	25.1	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.1	—	—	1.50E+01	ug/L	J	J	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	J	J	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.2	—	—	1.50E+01	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.45	—	—	2.50E+00	ug/L	J	J	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.05	—	—	2.50E+00	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	10	—	—	2.50E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9730	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.43	—	—	2.50E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	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	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.67	—	—	2.50E+00	ug/L	J	J	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.88	—	—	2.50E+00	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.7	—	—	2.50E+00	ug/L	J	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.42	—	—	2.50E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.36	—	—	2.00E+00	ug/L	J	J	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.51	—	—	2.00E+00	ug/L	J	J	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.8	—	—	2.00E+00	ug/L	J	J	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	4.08	—	—	2.00E+00	ug/L	J	J	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.61	—	—	2.00E+00	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.94	—	—	2.00E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.7	—	—	5.30E-02	mg/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.9	—	—	5.30E-02	mg/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.8	—	—	5.30E-02	mg/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.3	—	—	5.30E-02	mg/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.4	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.1	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	61.2	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.4	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.2	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	64.4	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.3	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.2	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.698	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.572	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.42	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.614	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.49	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.704	—	—	5.00E-02	ug/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.548	—	—	5.00E-02	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.463	—	—	5.00E-02	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.586	—	—	5.00E-02	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.48	—	—	5.00E-02	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.4	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.51	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22869	GELC
R-44	8681	985.3	05/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.68	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16844	GELC
R-44	8681	985.3	02/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.32	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9374	GELC
R-44	8681	985.3	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.5	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3227	GELC
R-44	8681	985.3	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.24	—	—	1.00E+00	ug/L	—	—	11-600	CAMO-11-1278	GELC
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.56	—	—	1.00E+00	ug/L	—	—	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.54	—	—	1.00E+00	ug/L	—	—	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.28	—	—	1.00E+00	ug/L	—	—	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.52	—	—	1.00E+00	ug/L	—	—	10-515	CAMO-10-3228	GELC
R-44	8681	985.3	11/18/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	5.96	—	—	3.30E+00	ug/L	J	J	11-600	CAMO-11-1277	GELC
R-44	8681	985.3	07/14/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3703	CAMO-10-22869	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	11/18/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.52	—	—	3.30E+00	ug/L	J	J	11-600	CAMO-11-1278	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-44	8681	985.3	07/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	3.48	—	—	3.30E+00	ug/L	J	J	10-3703	CAMO-10-22868	GELC
R-44	8681	985.3	05/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.32	—	—	3.30E+00	ug/L	J	J	10-3024	CAMO-10-16843	GELC
R-44	8681	985.3	02/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.3	—	—	3.30E+00	ug/L	J	J	10-1802	CAMO-10-9373	GELC
R-44	8681	985.3	11/13/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	9.01	—	—	3.30E+00	ug/L	—	U	10-515	CAMO-10-3228	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.4	—	—	7.30E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.2	—	—	7.30E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63	—	—	7.30E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	63.5	—	—	7.30E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.7	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.5	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.9	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.2	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.8	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.52	—	—	6.60E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.57	—	—	6.60E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.36	—	—	6.60E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
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	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.286	—	—	3.30E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.298	—	—	3.30E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.295	—	—	3.30E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.353	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.273	—	—	3.30E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.9	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.7	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.8	—	—	3.50E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	67.1	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.2	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	61.6	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.7	—	—	3.50E-01	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.2	—	—	3.50E-01	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.91	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.38	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.65	—	—	8.50E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.84	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.08	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.99	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.57	—	—	8.50E-02	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.93	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.74	—	—	8.50E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.256	—	—	1.00E-02	mg/L	—	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.99	—	—	1.00E-01	mg/L	—	J-	10-3567	CAMO-10-22876	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.498	—	—	5.00E-02	ug/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.55	—	—	5.00E-02	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.535	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.538	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.545	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.14	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.25	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.15	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.26	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.48	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
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	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	uS/cm	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	166	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.39	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.45	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.22	—	—	1.00E-01	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.18	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	172	—	—	2.40E+00	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	163	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	154	—	—	2.40E+00	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.404	—	—	3.30E-01	mg/L	J	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.402	—	—	3.30E-01	mg/L	J	J	10-3566	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.47	—	—	3.30E-01	mg/L	J	J	10-1466	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.476	—	—	3.30E-01	mg/L	J	J	10-540	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.05	—	—	1.50E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.037	—	—	1.50E-02	mg/L	J	U	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	10-3165	CAMO-10-16824	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.066	—	—	1.50E-02	mg/L	—	U	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.091	—	—	1.50E-02	mg/L	—	U	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.17	—	—	—	%	—	—	11-745	CAMO-11-1280	UIL
R-45	8721	880	01/27/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.26	—	—	—	%	—	—	10-3591	CAMO-10-9734	UIL
R-45	8721	880	11/16/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.31	—	—	—	%	—	—	10-1025	CAMO-10-4769	UIL
R-45	8721	880	08/19/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.29	—	—	—	%	—	—	09-3060	CAMO-09-10252	UIL
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	2380	—	—	6.80E+01	ug/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-541	CAMO-10-3229	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.25	—	—	1.50E+00	ug/L	J	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.8	—	—	1.50E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.06	—	—	1.50E+00	ug/L	J	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.97	—	—	1.50E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.1	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.8	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.3	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	30.3	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.8	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.7	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	28.6	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.9	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	30.5	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	15.7	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.3	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.1	—	—	1.50E+01	ug/L	J	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.4	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18	—	—	1.50E+01	ug/L	J	J	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	15.5	—	—	1.50E+01	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	2.50E+00	ug/L	—	J	11-609	CAMO-11-1280	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.4	—	—	2.50E+00	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.5	—	—	2.50E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.4	—	—	2.50E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	21.4	—	—	2.50E+00	ug/L	—	J	10-2179	CAMO-10-9731	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15.7	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3229	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	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.6	—	—	2.50E+00	ug/L	—	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.9	—	—	2.50E+00	ug/L	—	—	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	2.50E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.3	—	—	2.50E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.4	—	—	2.50E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.49	—	—	2.00E+00	ug/L	J	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-541	CAMO-10-3229	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.869	—	—	1.00E-01	ug/L	—	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.738	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.826	—	—	1.00E-01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.939	—	—	1.00E-01	ug/L	—	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.739	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.09	—	—	1.00E-01	ug/L	—	U	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.34	—	—	5.00E-01	ug/L	J	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.906	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.35	—	—	5.00E-01	ug/L	J	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.63	—	—	5.00E-01	ug/L	J	J	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.03	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.37	—	—	5.00E-01	ug/L	J	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.906	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.58	—	—	5.00E-01	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.79	—	—	5.00E-01	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.09	—	—	5.00E-01	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.2	—	—	5.30E-02	mg/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.3	—	—	5.30E-02	mg/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.5	—	—	5.30E-02	mg/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.8	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.9	—	—	5.30E-02	mg/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.9	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	71.5	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.2	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.6	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.6	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1279	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75.3	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22877	GELC
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	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.69	—	—	5.00E-02	ug/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.86	—	—	5.00E-02	ug/L	—	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.893	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.963	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.736	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.71	—	—	5.00E-02	ug/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.876	—	—	5.00E-02	ug/L	—	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.862	—	—	5.00E-02	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.03	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.883	—	—	5.00E-02	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.59	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.71	—	—	1.00E+00	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.63	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.85	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.48	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.67	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.79	—	—	1.00E+00	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.17	—	—	1.00E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.92	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.46	—	—	1.00E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8721	880	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.4	—	—	3.30E+00	ug/L	J	J	11-609	CAMO-11-1280	GELC
R-45	8721	880	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	6.51	—	—	3.30E+00	ug/L	J	J	10-3567	CAMO-10-22876	GELC
R-45	8721	880	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.43	—	—	3.30E+00	ug/L	J	J	10-3165	CAMO-10-16824	GELC
R-45	8721	880	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	22.7	—	—	3.30E+00	ug/L	—	—	10-1467	CAMO-10-9378	GELC
R-45	8721	880	11/16/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	24.3	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3229	GELC
R-45	8721	880	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	6.58	—	—	3.30E+00	ug/L	J	J	11-609	CAMO-11-1279	GELC
R-45	8721	880	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	7.89	—	—	3.30E+00	ug/L	J	J	10-3567	CAMO-10-22877	GELC
R-45	8721	880	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.1	—	—	3.30E+00	ug/L	—	—	10-3165	CAMO-10-16825	GELC
R-45	8721	880	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	26.6	—	—	3.30E+00	ug/L	—	—	10-1467	CAMO-10-9379	GELC
R-45	8721	880	11/16/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.7	—	—	3.30E+00	ug/L	—	—	10-541	CAMO-10-3231	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.9	—	—	7.30E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.1	—	—	7.30E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	120	—	—	7.30E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.8	—	—	7.30E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.4	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.8	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.3	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.9	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.2	—	—	6.60E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.1	—	—	6.60E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.27	—	—	6.60E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.351	—	—	3.30E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.379	—	—	3.30E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.425	—	—	3.30E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.9	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.6	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	3.50E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	61.4	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62	—	—	3.50E-01	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	59.1	—	—	3.50E-01	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.8	—	—	3.50E-01	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62	—	—	3.50E-01	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.89	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.55	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.61	—	—	8.50E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.67	—	—	8.50E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.89	—	—	8.50E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.49	—	—	8.50E-02	mg/L	—	—	10-3567	CAMO-10-22874	GELC
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	11/19/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.35	—	—	5.00E-02	ug/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.378	—	—	5.00E-02	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.374	—	—	5.00E-02	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.383	—	—	5.00E-02	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.24	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.37	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.2	—	—	5.00E-02	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.3	—	—	5.00E-02	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.6	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	173	—	—	1.00E+00	uS/cm	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.59	—	—	1.00E-01	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.84	—	—	1.00E-01	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.88	—	—	1.00E-01	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.07	—	—	1.00E-01	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	173	—	—	2.40E+00	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	—	10-1467	CAMO-10-9383	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.125	—	—	3.30E-02	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-3566	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	<	0.1	—	—	3.30E-02	mg/L	U	UJ	10-1466	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.07	—	—	3.30E-01	mg/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.457	—	—	3.30E-01	mg/L	J	J	10-3566	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.506	—	—	3.30E-01	mg/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.617	—	—	3.30E-01	mg/L	J	J	10-1466	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.054	—	—	1.50E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.034	—	—	1.50E-02	mg/L	J	U	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.049	—	—	1.50E-02	mg/L	J	U	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.019	—	—	1.50E-02	mg/L	J	U	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.25	—	—	1.00E-02	SU	H	J-	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.35	—	—	—	%	—	—	11-745	CAMO-11-1281	UIL
R-45	8731	974.9	01/27/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.49	—	—	—	%	—	—	10-3591	CAMO-10-9735	UIL
R-45	8731	974.9	11/16/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.58	—	—	—	%	—	—	10-1025	CAMO-10-4771	UIL
R-45	8731	974.9	08/19/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.65	—	—	—	%	—	—	09-3060	CAMO-09-10255	UIL
R-45	8731	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.67	—	—	1.50E+00	ug/L	J	J	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.25	—	—	1.50E+00	ug/L	J	J	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.4	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.6	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	31.4	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	32.4	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.7	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	29.5	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.8	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	32.5	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.7	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.1	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.943	—	—	1.00E-01	ug/L	—	J	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.935	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	0.946	—	—	1.00E-01	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.06	—	—	1.00E-01	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.945	—	—	1.00E-01	ug/L	—	J	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	0.806	—	—	1.00E-01	ug/L	—	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.01	—	—	1.00E-01	ug/L	—	—	10-3187	CAMO-10-16828	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.94	—	—	5.00E-01	ug/L	J	J	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.743	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.603	—	—	5.00E-01	ug/L	J	J	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	0.738	—	—	5.00E-01	ug/L	J	U	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.77	—	—	5.00E-01	ug/L	J	J	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.677	—	—	5.00E-01	ug/L	J	J	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.606	—	—	5.00E-01	ug/L	J	J	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	0.935	—	—	5.00E-01	ug/L	J	U	10-1467	CAMO-10-9384	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.3	—	—	5.30E-02	mg/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.2	—	—	5.30E-02	mg/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75	—	—	5.30E-02	mg/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.7	—	—	5.30E-02	mg/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.5	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.7	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.8	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	77.7	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	72.9	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.3	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22874	GELC
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	11/19/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	5.00E-02	ug/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.769	—	—	5.00E-02	ug/L	—	U	10-3567	CAMO-10-22873	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	11/19/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.623	—	—	5.00E-02	ug/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.744	—	—	5.00E-02	ug/L	—	U	10-3567	CAMO-10-22874	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	11/19/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.9	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1281	GELC
R-45	8731	974.9	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.68	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22873	GELC
R-45	8731	974.9	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.92	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16829	GELC
R-45	8731	974.9	01/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.29	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9383	GELC
R-45	8731	974.9	11/19/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.89	—	—	1.00E+00	ug/L	—	—	11-609	CAMO-11-1282	GELC
R-45	8731	974.9	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.45	—	—	1.00E+00	ug/L	—	—	10-3567	CAMO-10-22874	GELC
R-45	8731	974.9	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.37	—	—	1.00E+00	ug/L	—	—	10-3187	CAMO-10-16828	GELC
R-45	8731	974.9	01/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.32	—	—	1.00E+00	ug/L	—	—	10-1467	CAMO-10-9384	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	52.6	—	—	7.30E-01	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.3	—	—	7.30E-01	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.6	—	—	7.30E-01	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	54.6	—	—	7.30E-01	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.6	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.5	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.65	—	—	6.60E-02	mg/L	—	J+	11-507	CAMO-11-1284	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.58	—	—	6.60E-02	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.58	—	—	6.60E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.62	—	—	6.60E-02	mg/L	—	J+	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	1.64	—	—	6.60E-02	mg/L	—	J	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.184	—	—	3.30E-02	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.121	—	—	3.30E-02	mg/L	—	J-	10-3544	CAMO-10-22888	GELC
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	11/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.5	—	—	3.50E-01	mg/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.9	—	—	3.50E-01	mg/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.4	—	—	8.50E-02	mg/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.34	—	—	8.50E-02	mg/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.336	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.347	—	—	5.00E-02	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.416	—	—	5.00E-02	mg/L	—	U	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.306	—	—	5.00E-02	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.352	—	—	5.00E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.297	—	—	5.00E-02	ug/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.329	—	—	5.00E-02	ug/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.311	—	—	5.00E-02	ug/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.282	—	—	5.00E-02	ug/L	—	J	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.312	—	—	5.00E-02	ug/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1284	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
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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.92	—	—	5.00E-02	mg/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.76	—	—	1.00E-01	mg/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.59	—	—	1.00E-01	mg/L	—	—	11-507	CAMO-11-1285	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	121	—	—	1.00E+00	uS/cm	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	122	—	—	1.00E+00	uS/cm	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	126	—	—	1.00E+00	uS/cm	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	115	—	—	1.00E+00	uS/cm	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.9	—	—	1.00E-01	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.89	—	—	1.00E-01	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.77	—	—	1.00E-01	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	1.82	—	—	1.00E-01	mg/L	—	J+	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	<	1.8	—	—	1.00E-01	mg/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	135	—	—	2.40E+00	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	143	—	—	2.40E+00	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	134	—	—	2.40E+00	mg/L	—	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	138	—	—	2.40E+00	mg/L	—	—	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.23	—	—	3.30E-01	mg/L	—	—	11-507	CAMO-11-1285	GELC
R-46	8741	1340	07/01/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.28	—	—	3.30E-01	mg/L	—	—	10-3544	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	2.16	—	—	3.30E-01	mg/L	—	—	10-3098	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.53	—	—	3.30E-01	mg/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.01	—	—	3.30E-01	mg/L	—	—	10-506	CAMO-10-3236	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.051	—	—	1.50E-02	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	—	U	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.056	—	—	1.50E-02	mg/L	—	U	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.075	—	—	1.50E-02	mg/L	—	U	10-507	CAMO-10-3235	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.81	—	—	1.00E-02	SU	H	J-	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.97	—	—	1.00E-02	SU	H	J-	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	3.78	—	—	5.00E-01	ug/L	—	—	11-507	CAMO-11-1284	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
R-46	8741	1340	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	4.4	—	—	5.00E-01	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	23.3	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	23	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.7	—	—	2.50E+00	ug/L	J	J	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.64	—	—	2.50E+00	ug/L	J	J	11-507	CAMO-11-1285	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3098	CAMO-10-16832	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	3.79	—	—	3.00E+00	ug/L	J	J	11-507	CAMO-11-1285	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	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3098	CAMO-10-16832	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	41.9	—	—	3.00E+01	ug/L	J	J	11-507	CAMO-11-1285	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	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3098	CAMO-10-16832	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.786	—	—	5.00E-01	ug/L	J	J	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.54	—	—	2.00E+00	ug/L	J	J	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.61	—	—	2.00E+00	ug/L	J	J	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.76	—	—	5.00E-01	ug/L	J	J	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.38	—	—	5.00E-01	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	11-507	CAMO-11-1284	GELC
R-46	8741	1340	07/01/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.2	—	—	5.30E-02	mg/L	—	—	10-3544	CAMO-10-22888	GELC
R-46	8741	1340	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.9	—	—	5.30E-02	mg/L	—	—	10-3098	CAMO-10-16832	GELC
R-46	8741	1340	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	14.4	—	—	5.30E-02	mg/L	E	—	10-1655	CAMO-10-9360	GELC
R-46	8741	1340	11/13/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.3	—	—	5.30E-02	mg/L	—	—	10-507	CAMO-10-3235	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-46	8741	1340	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	45.3	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	44.6	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.604	—	—	5.00E-02	ug/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.638	—	—	5.00E-02	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.64	—	—	1.00E+00	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.56	—	—	3.30E+00	ug/L	J	J	11-507	CAMO-11-1284	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	11/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	10.2	—	—	3.30E+00	ug/L	—	—	11-507	CAMO-11-1285	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	11/12/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.38	—	—	2.50E-01	ug/L	J	J	11-507	CAMO-11-1285	GELC
R-46	8741	1340	07/01/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	1.17	—	—	2.50E-01	ug/L	—	—	10-3543	CAMO-10-22890	GELC
R-46	8741	1340	05/07/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	1.38	—	—	2.50E-01	ug/L	—	—	10-3097	CAMO-10-16830	GELC
R-46	8741	1340	02/05/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	3.24	—	—	2.50E-01	ug/L	—	—	10-1654	CAMO-10-9358	GELC
R-46	8741	1340	11/13/09	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	1.9	—	—	2.50E-01	ug/L	—	—	10-506	CAMO-10-3236	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	59.6	—	—	7.30E-01	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	67.2	—	—	7.30E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	64.5	—	—	7.30E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62.1	—	—	7.30E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.061	—	—	1.60E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.023	—	—	1.60E-02	mg/L	J	J-	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.039	—	—	1.60E-02	mg/L	J	U	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.065	—	—	1.60E-02	mg/L	—	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	11.3	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	9.71	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.2	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.2	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	11.5	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.9	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	10.1	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.4	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.36	—	—	6.60E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.89	—	—	6.60E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.09	—	—	6.60E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.403	—	—	3.30E-02	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.409	—	—	3.30E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.36	—	—	3.30E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.361	—	—	3.30E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.334	—	—	3.30E-02	mg/L	—	J-	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	44.4	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	46	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	38	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	40.3	—	—	3.50E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
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	11/16/10	WG	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	45.1	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	47.1	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	44.1	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	39.8	—	—	3.50E-01	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45.2	—	—	3.50E-01	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.94	—	—	8.50E-02	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.06	—	—	8.50E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.35	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.01	—	—	8.50E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	3.97	—	—	8.50E-02	mg/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.57	—	—	8.50E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.08	—	—	8.50E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.505	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.64	—	—	5.00E-02	mg/L	—	J-	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.7	—	—	5.00E-02	mg/L	—	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.695	—	—	5.00E-02	mg/L	—	J	10-3285	CAMO-10-18976	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.454	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.336	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.331	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.324	—	—	5.00E-02	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.327	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18980	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	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	11/16/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.52	—	—	5.00E-02	mg/L	—	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.58	—	—	5.00E-02	mg/L	—	J	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/16/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	J	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.61	—	—	5.00E-02	mg/L	—	J	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.44	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.56	—	—	5.00E-02	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.36	—	—	5.00E-02	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	13.1	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.3	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.5	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.7	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.4	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	19	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	138	—	—	1.00E+00	uS/cm	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	158	—	—	1.00E+00	uS/cm	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	157	—	—	1.00E+00	uS/cm	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	136	—	—	1.00E+00	uS/cm	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	2.73	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.72	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.03	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.39	—	—	1.00E-01	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	2.71	—	—	1.00E-01	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	157	—	—	2.40E+00	mg/L	—	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	J	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	153	—	—	2.40E+00	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	155	—	—	2.40E+00	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	0.721	—	—	3.30E-01	mg/L	J	J	11-562	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.801	—	—	3.30E-01	mg/L	J	J	11-562	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.38	—	—	3.30E-01	mg/L	J	J	10-3562	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3284	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.753	—	—	3.30E-01	mg/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.24	—	—	1.00E-02	SU	H	J-	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.16	—	—	1.00E-02	SU	H	J-	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.19	—	—	1.00E-02	SU	H	J-	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.96	—	—	1.00E-02	SU	H	J-	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.01	—	—	—	%	—	—	11-745	CAMO-11-1315	UIL
R-50	9011	1185	05/27/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.88	—	—	—	%	—	—	10-3593	CAMO-10-18980	UIL
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6020	Arsenic	—	2.29	—	—	1.50E+00	ug/L	J	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.14	—	—	1.50E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.15	—	—	1.50E+00	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.85	—	—	1.50E+00	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	1.93	—	—	1.50E+00	ug/L	J	J	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.87	—	—	1.50E+00	ug/L	J	J	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.65	—	—	1.50E+00	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.11	—	—	1.50E+00	ug/L	J	J	10-3285	CAMO-10-18979	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Barium	—	25.6	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	26.5	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	25.5	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	29.2	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6010B	Barium	—	26.3	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	27.5	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.1	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	31.2	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Boron	—	16.9	—	—	1.50E+01	ug/L	J	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.1	—	—	1.50E+01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6010B	Boron	—	17.5	—	—	1.50E+01	ug/L	J	J	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.4	—	—	1.50E+01	ug/L	J	J	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	22.5	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.8	—	—	1.50E+01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.7	—	—	1.50E+01	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	6.56	—	—	2.50E+00	ug/L	J	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6020	Chromium	—	6.56	—	—	2.50E+00	ug/L	J	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.01	—	—	2.50E+00	ug/L	J	J	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.27	—	—	2.50E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	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	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.07	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18978	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6020	Chromium	—	6.86	—	—	2.50E+00	ug/L	J	J	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.2	—	—	2.50E+00	ug/L	J	J	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.31	—	—	2.50E+00	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.51	—	—	2.50E+00	ug/L	J	J-	10-3285	CAMO-10-18979	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	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	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Iron	—	31.6	—	—	3.00E+01	ug/L	J	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	32.4	—	—	3.00E+01	ug/L	J	J	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	47.1	—	—	3.00E+01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	462	—	—	3.00E+01	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	83.1	—	—	3.00E+01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6010B	Iron	—	92.2	—	—	3.00E+01	ug/L	J	J	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	108	—	—	3.00E+01	ug/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	671	—	—	3.00E+01	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	499	—	—	3.00E+01	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	153	—	—	3.00E+01	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.61	—	—	1.00E-01	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.75	—	—	1.00E-01	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.32	—	—	1.00E-01	ug/L	—	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	0.5	—	—	1.00E-01	ug/L	U	U	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	1.61	—	—	1.00E-01	ug/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.73	—	—	1.00E-01	ug/L	—	—	11-563	CAMO-11-1316	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.01	—	—	1.00E-01	ug/L	—	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	0.5	—	—	1.00E-01	ug/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.66	—	—	1.00E-01	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6020	Nickel	—	2.27	—	—	5.00E-01	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.556	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.833	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.552	—	—	5.00E-01	ug/L	J	J	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6020	Nickel	—	2.29	—	—	5.00E-01	ug/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.31	—	—	5.00E-01	ug/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.987	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.838	—	—	5.00E-01	ug/L	J	J	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	76	—	—	5.30E-02	mg/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	78.5	—	—	5.30E-02	mg/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.4	—	—	5.30E-02	mg/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	77.7	—	—	5.30E-02	mg/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	56.9	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.8	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	52.5	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.8	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	55.7	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	58.1	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	57.4	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	52.4	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55.8	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.744	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.737	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.4	—	—	5.00E-02	ug/L	—	J	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.6	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.667	—	—	5.00E-02	ug/L	—	U	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.775	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.783	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.48	—	—	5.00E-02	ug/L	—	J	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.69	—	—	5.00E-02	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.766	—	—	5.00E-02	ug/L	—	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.28	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.52	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.39	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22906	GELC
R-50	9011	1185	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.68	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18980	GELC
R-50	9011	1185	03/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.17	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13926	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	7.35	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.72	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.61	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	6.66	—	—	1.00E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	F	CS	FD	Metals	SW-846:6010B	Zinc	—	5.93	—	—	3.30E+00	ug/L	J	J	11-563	CAMO-11-1319	GELC
R-50	9011	1185	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.05	—	—	3.30E+00	ug/L	J	J	11-563	CAMO-11-1315	GELC
R-50	9011	1185	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.99	—	—	3.30E+00	ug/L	J	J	10-3563	CAMO-10-22906	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/16/10	WG	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	9.09	—	—	3.30E+00	ug/L	J	J	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.67	—	—	3.30E+00	ug/L	J	J	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	30.9	—	—	3.30E+00	ug/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	99.7	—	—	3.30E+00	ug/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	5.44	—	—	3.30E+00	ug/L	J	J	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00329	1.60E-03	2.70E-02	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00662	1.23E-03	3.00E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000869	1.13E-03	4.60E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00392	1.93E-03	2.50E-02	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000319	9.00E-04	2.60E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	0.0143	4.00E-01	4.10E+00	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-3.06	6.33E-01	6.60E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.921	5.33E-01	5.20E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.15	5.00E-01	5.40E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.91	5.33E-01	4.80E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	0.0736	4.00E-01	4.00E+00	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.0695	4.33E-01	4.40E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.35	5.00E-01	3.90E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.515	5.00E-01	4.80E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.14	3.13E-01	3.30E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:900	Gross alpha	<	1.63	3.00E-01	2.80E+00	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.165	2.20E-01	2.80E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.3	5.00E-01	3.00E+00	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.78	4.67E-01	1.90E+00	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.615	1.93E-01	2.10E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:900	Gross beta	<	0.433	2.33E-01	2.50E+00	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.12	2.27E-01	2.20E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	4.47	3.67E-01	2.90E+00	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
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	11/16/10	WG	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	11.8	2.93E+00	2.50E+01	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	3.25	8.67E-01	9.60E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.63	1.27E+00	7.30E+00	—	pCi/L	—	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	26.7	2.63E+00	4.50E+01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	13.4	1.63E+00	1.10E+01	—	pCi/L	—	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	-0.236	8.67E-01	8.50E+00	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.06	6.67E-01	6.90E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.53	1.07E+00	1.00E+01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.41	1.03E+00	9.30E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-9.88	1.63E+00	1.30E+01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	-0.00453	1.30E-03	2.60E-02	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.33E-04	2.60E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00391	5.00E-03	5.20E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	7.67E-03	1.50E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0144	2.53E-03	4.20E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0.00453	1.50E-03	4.70E-02	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.65E-10	1.47E-03	4.60E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	3.67E-03	5.30E-02	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00954	3.20E-03	1.40E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
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	11/16/10	WG	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	-38.7	5.67E+00	4.80E+01	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	21.3	6.00E+00	6.40E+01	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.1	6.33E+00	6.90E+01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-9.36	7.00E+00	7.40E+01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-5.38	4.33E+00	3.90E+01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.667	4.00E-01	3.90E+00	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.201	3.67E-01	3.60E+00	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.06	4.33E-01	4.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.4	4.67E-01	4.10E+00	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.00936	3.27E-01	3.20E+00	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	-0.117	4.00E-02	4.80E-01	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.15	4.67E-02	5.00E-01	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0766	4.33E-02	4.70E-01	—	pCi/L	U	U	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.00354	4.67E-02	4.90E-01	—	pCi/L	U	U	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0601	4.00E-02	4.90E-01	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.602	1.97E-02	5.50E-02	—	pCi/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.599	1.90E-02	5.20E-02	—	pCi/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.28	3.33E-02	4.80E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.27	3.33E-02	3.10E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.455	1.40E-02	2.90E-02	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-235/236	<	0.0258	3.10E-03	3.60E-02	—	pCi/L	U	U	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0182	2.53E-03	3.40E-02	—	pCi/L	U	U	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0716	4.67E-03	2.90E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	—	0.0556	4.00E-03	2.80E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0181	2.07E-03	2.30E-02	—	pCi/L	U	U	10-2409	CAMO-10-13924	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.279	1.10E-02	3.60E-02	—	pCi/L	—	—	11-563	CAMO-11-1317	GELC
R-50	9011	1185	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.251	1.03E-02	3.40E-02	—	pCi/L	—	—	11-563	CAMO-11-1316	GELC
R-50	9011	1185	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.76	2.17E-02	3.30E-02	—	pCi/L	—	—	10-3563	CAMO-10-22907	GELC
R-50	9011	1185	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.593	1.77E-02	2.80E-02	—	pCi/L	—	—	10-3285	CAMO-10-18979	GELC
R-50	9011	1185	03/11/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.217	8.00E-03	2.00E-02	—	pCi/L	—	—	10-2409	CAMO-10-13924	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	62	—	—	7.30E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	55.2	—	—	7.30E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.2	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	12.1	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.9	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.3	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	11.7	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	12	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	13.7	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.9	—	—	6.60E-02	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.94	—	—	6.60E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
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	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.342	—	—	3.30E-02	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.321	—	—	3.30E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.289	—	—	3.30E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.312	—	—	3.30E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	53.8	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.1	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	45.3	—	—	3.50E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	51.8	—	—	3.50E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.2	—	—	3.50E-01	mg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	43.8	—	—	3.50E-01	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	45	—	—	3.50E-01	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	51.1	—	—	3.50E-01	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.49	—	—	8.50E-02	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.64	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.17	—	—	8.50E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.51	—	—	8.50E-02	mg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.56	—	—	8.50E-02	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.65	—	—	8.50E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.11	—	—	8.50E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.39	—	—	5.00E-02	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.13	—	—	5.00E-02	mg/L	—	J-	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	J	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.24	—	—	5.00E-02	mg/L	—	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.23	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.53	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.418	—	—	5.00E-02	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.455	—	—	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	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	J	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.13	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.09	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.98	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.07	—	—	5.00E-02	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.05	—	—	5.00E-02	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	0.95	—	—	5.00E-02	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.6	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.4	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	182	—	—	1.00E+00	uS/cm	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	170	—	—	1.00E+00	uS/cm	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	159	—	—	1.00E+00	uS/cm	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	11.2	—	—	1.00E-01	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.15	—	—	1.00E-01	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.59	—	—	1.00E-01	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.22	—	—	1.00E-01	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	176	—	—	2.40E+00	mg/L	—	J	11-563	CAMO-11-1313	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	152	—	—	2.40E+00	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	161	—	—	2.40E+00	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.972	—	—	3.30E-01	mg/L	J	J	11-562	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.562	—	—	3.30E-01	mg/L	J	J	10-3562	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.559	—	—	3.30E-01	mg/L	J	J	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.479	—	—	3.30E-01	mg/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.75	—	—	1.00E-02	SU	H	J-	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.85	—	—	1.00E-02	SU	H	J-	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.9	—	—	1.00E-02	SU	H	J-	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.24	—	—	—	%	—	—	11-745	CAMO-11-1313	UIL
R-50	9021	1077	05/27/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.09	—	—	—	%	—	—	10-3593	CAMO-10-17421	UIL
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.838	—	—	5.00E-01	ug/L	J	J	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.701	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.848	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.787	—	—	5.00E-01	ug/L	J	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.698	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.753	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	3	—	—	5.00E-01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.76	—	—	1.50E+00	ug/L	J	J	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3563	CAMO-10-22904	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	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3275	CAMO-10-17420	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	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	17.7	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.1	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	24.4	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	18.3	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.3	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.6	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	24.5	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.1	—	—	1.50E+01	ug/L	J	J	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.4	—	—	1.50E+01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.6	—	—	1.50E+01	ug/L	J	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.3	—	—	1.50E+01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.8	—	—	1.50E+01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	67	—	—	2.50E+00	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	55.2	—	—	2.50E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	49.8	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18481	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	52.9	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-18975	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	53.8	—	—	2.50E+00	ug/L	N	J-	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	69.7	—	—	2.50E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	66.1	—	—	2.50E+00	ug/L	—	—	11-563	CAMO-11-1312	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	56.2	—	—	2.50E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	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	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	44.1	—	—	3.00E+01	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	91.5	—	—	3.00E+01	ug/L	J	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	111	—	—	3.00E+01	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	99.9	—	—	3.00E+01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	43.9	—	—	3.00E+01	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	UJ	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.758	—	—	5.00E-01	ug/L	J	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.783	—	—	5.00E-01	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.571	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	UJ	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	7.02	—	—	2.00E+00	ug/L	J	J	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	69.2	—	—	2.00E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	90.6	—	—	2.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	17.6	—	—	2.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	7.42	—	—	2.00E+00	ug/L	J	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	68.5	—	—	2.00E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	89.5	—	—	2.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	17.5	—	—	2.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.37	—	—	1.00E-01	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	6.39	—	—	1.00E-01	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.86	—	—	1.00E-01	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	<	1.31	—	—	1.00E-01	ug/L	—	U	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.51	—	—	1.00E-01	ug/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	6.4	—	—	1.00E-01	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.52	—	—	1.00E-01	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	<	1.33	—	—	1.00E-01	ug/L	—	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.94	—	—	5.00E-01	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.27	—	—	5.00E-01	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	5.00E-01	ug/L	J	J	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.7	—	—	5.00E-01	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.09	—	—	5.00E-01	ug/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.26	—	—	5.00E-01	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.37	—	—	5.00E-01	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.2	—	—	5.30E-02	mg/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.4	—	—	5.30E-02	mg/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	67.2	—	—	5.30E-02	mg/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	54.7	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	48.4	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	49.9	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.7	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	55	—	—	1.00E+00	ug/L	—	—	11-563	CAMO-11-1312	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	47.2	—	—	1.00E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	50.3	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	60.3	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.609	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.751	—	—	5.00E-02	ug/L	—	U	10-3563	CAMO-10-22904	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	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.637	—	—	5.00E-02	ug/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.846	—	—	5.00E-02	ug/L	—	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.58	—	—	5.00E-02	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.559	—	—	5.00E-02	ug/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.38	—	—	1.00E+00	ug/L	J	J	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	4.61	—	—	1.00E+00	ug/L	J	J	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.11	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	5.27	—	—	1.00E+00	ug/L	—	—	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.67	—	—	1.00E+00	ug/L	J	J	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.39	—	—	1.00E+00	ug/L	J	J	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	5.12	—	—	1.00E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	4.97	—	—	1.00E+00	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	118	—	—	3.30E+00	ug/L	—	—	11-563	CAMO-11-1313	GELC
R-50	9021	1077	07/02/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	197	—	—	3.30E+00	ug/L	—	—	10-3563	CAMO-10-22904	GELC
R-50	9021	1077	05/27/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	200	—	—	3.30E+00	ug/L	—	—	10-3275	CAMO-10-17421	GELC
R-50	9021	1077	03/06/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	7.96	—	—	3.30E+00	ug/L	J	J	10-2347	CAMO-10-13853	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	135	—	—	3.30E+00	ug/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	191	—	—	3.30E+00	ug/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	186	—	—	3.30E+00	ug/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.30E+00	ug/L	J	J	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	—	0.057	—	—	3.60E-02	ug/L	J	J	11-562	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.115	—	—	3.80E-02	ug/L	U	U	10-3562	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.1	—	—	3.30E-02	ug/L	U	U	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	PCB	SW-846:8082	Aroclor-1254	<	0.109	—	—	3.60E-02	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00178	1.00E-03	3.00E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0125	2.33E-03	3.70E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00627	1.70E-03	2.10E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00416	1.30E-03	2.60E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.47	3.13E-01	3.10E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.51	7.00E-01	6.20E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.648	5.33E-01	5.00E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.314	5.67E-01	5.40E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.9	4.00E-01	4.30E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.37	6.67E-01	5.40E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.107	7.00E-01	6.90E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
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	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.66	3.23E-01	2.90E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.313	2.40E-01	2.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.135	1.57E-01	2.20E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.274	1.73E-01	2.10E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	2.68	2.90E-01	2.40E+00	—	pCi/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.151	2.33E-01	2.60E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	-0.0163	2.13E-01	2.50E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	0.646	2.63E-01	2.70E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Unit	Lab Qual	2nd Qual	Request	Sample	Lab
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	16.1	5.00E+00	5.60E+01	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.22	1.53E+00	2.10E+01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	85.3	7.00E+00	8.20E+01	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	107	9.33E+00	1.00E+02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.88	7.00E-01	7.10E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.23	9.00E-01	9.40E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.32	1.10E+00	1.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.5	2.83E+00	2.40E+01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.60E-03	2.70E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00622	3.33E-03	2.80E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00188	6.33E-04	3.00E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00421	2.43E-03	3.70E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00237	2.37E-03	4.90E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.37E-03	2.80E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	9.00E-04	2.80E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0147	1.87E-03	2.50E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	2.97	5.33E+00	3.10E+01	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-0.995	5.33E+00	5.30E+01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.3	8.00E+00	9.10E+01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.86	6.00E+00	6.00E+01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.53	3.23E-01	2.80E+00	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.324	6.00E-01	5.70E+00	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.158	5.33E-01	4.90E+00	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.65	5.00E-01	5.40E+00	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.216	4.00E-02	4.90E-01	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.047	4.00E-02	4.60E-01	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0295	4.33E-02	4.60E-01	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0629	4.67E-02	4.80E-01	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.416	1.53E-02	5.90E-02	—	pCi/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.524	1.83E-02	7.90E-02	—	pCi/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.549	1.67E-02	2.90E-02	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.456	1.57E-02	4.40E-02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0138	2.33E-03	3.90E-02	—	pCi/L	U	U	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0303	4.00E-03	4.70E-02	—	pCi/L	U	U	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0111	1.97E-03	2.70E-02	—	pCi/L	U	U	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0122	2.07E-03	3.50E-02	—	pCi/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	9.67E-03	3.90E-02	—	pCi/L	—	—	11-563	CAMO-11-1312	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.266	1.13E-02	5.50E-02	—	pCi/L	—	—	10-3563	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.201	8.00E-03	2.70E-02	—	pCi/L	—	—	10-3275	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.198	8.67E-03	3.10E-02	—	pCi/L	—	—	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	SVOA	SW-846:8270C	Naphthalene	<	1.06	—	—	3.20E-01	ug/L	U	U	10-3562	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	SVOA	SW-846:8270C	Naphthalene	<	1.05	—	—	3.20E-01	ug/L	U	UJ	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	05/27/10	WG	UF	RE	—	SVOA	SW-846:8270C	Naphthalene	<	1.06	—	—	3.20E-01	ug/L	U	UJ	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	SVOA	SW-846:8270C	Naphthalene	<	1.1	—	—	3.30E-01	ug/L	U	U	10-2347	CAMO-10-13852	GELC
R-50	9021	1077	11/16/10	WG	UF	CS	FTB	VOA	SW-846:8260B	Naphthalene	—	0.28	—	—	2.50E-01	ug/L	J	J	11-562	CAMO-11-1311	GELC
R-50	9021	1077	07/02/10	WG	UF	CS	—	VOA	SW-846:8260B	Naphthalene	<	1	—	—	2.50E-01	ug/L	U	U	10-3562	CAMO-10-22902	GELC
R-50	9021	1077	05/27/10	WG	UF	CS	—	VOA	SW-846:8260B	Naphthalene	<	1	—	—	2.50E-01	ug/L	U	U	10-3274	CAMO-10-17420	GELC
R-50	9021	1077	03/06/10	WG	UF	CS	—	VOA	SW-846:8260B	Naphthalene	<	1	—	—	2.50E-01	ug/L	U	U	10-2347	CAMO-10-13852	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	2.02	—	—	7.30E-01	mg/L	—	—	11-446	CASA-11-1333	GELC
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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	170	—	—	7.30E-01	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.038	—	—	1.60E-02	mg/L	J	J	11-446	CASA-11-1333	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.117	—	—	1.60E-02	mg/L	—	U	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.058	—	—	1.60E-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:350.1	Ammonia as Nitrogen	<	0.032	—	—	1.60E-02	mg/L	J	U	09-2956	CASA-09-10311	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.061	—	—	1.60E-02	mg/L	—	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.341	—	—	6.60E-02	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.1	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.7	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1332	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	—	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.5	—	—	6.60E-01	mg/L	—	—	11-446	CASA-11-1333	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
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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.339	—	—	3.30E-02	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	127	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	130	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.61	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1333	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

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	—	—	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.91	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1332	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
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.45	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1333	GELC
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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.264	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.7	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.1	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1332	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

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	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	94.2	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	96.3	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1332	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
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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	678	—	—	1.00E+00	uS/cm	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	28.7	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	492	—	—	2.40E+00	mg/L	—	—	11-446	CASA-11-1333	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

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	—	—	05/05/09	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.251	—	—	3.30E-02	mg/L	—	J+	11-445	CASA-11-1332	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
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	3.98	—	—	3.30E-01	mg/L	—	—	11-445	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.87	—	—	1.50E-02	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.3	—	—	1.00E-02	SU	H	J-	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.07	—	—	1.50E+00	ug/L	J	J	11-446	CASA-11-1333	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
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

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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.83	—	—	1.50E+00	ug/L	J	J	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	36.7	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	41.1	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1332	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	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	10-3059	CASA-10-16693	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	F	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	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	Beryllium	<	5	—	—	1.00E+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	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-1746	CASA-09-8238	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	—	1.54	—	—	1.00E+00	ug/L	J	J	11-446	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	10-3059	CASA-10-16695	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/06/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+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-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/09	WS	UF	CS	—	Metals	SW-846:6010B	Beryllium	<	5	—	—	1.00E+00	ug/L	U	U	09-1746	CASA-09-8239	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	79	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1333	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

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-846:6010B	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	82.9	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.66	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1333	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-3059	CASA-10-16693	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
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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.66	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	6.5	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	8.54	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1332	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

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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	98.7	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	117	—	—	3.00E+01	ug/L	—	—	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	8.26	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	7.8	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.32	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1333	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/05/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	<	10	—	—	2.50E+00	ug/L	U	U	10-3059	CASA-10-16693	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
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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.4	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1332	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

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	—	—	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	104	—	—	5.30E-02	mg/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	156	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1332	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.51	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1332	GELC
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

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	—	—	05/05/09	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	12.1	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1333	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	16.9	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1332	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	19.3	—	—	3.30E+00	ug/L	—	—	11-446	CASA-11-1332	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
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-11	—	0.0000416	—	—	3.46E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-110/PCB-115	—	0.000106	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-118	—	0.0000475	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-128/PCB-166	—	0.0000188	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-129/PCB-138/PCB-163	—	0.000159	—	—	2.07E-05	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-135/PCB-151	—	0.0000642	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-147/PCB-149	—	0.000127	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1332	CFA

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	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-15	—	0.0000111	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.000158	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-164	—	0.0000102	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-170	—	0.0000483	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-187	—	0.0000719	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-198/PCB-199	—	0.0000203	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-20/PCB-28	—	0.0000191	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-203	—	0.00000943	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-31	—	0.0000103	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-44/PCB-47/PCB-65	—	0.000024	—	—	2.07E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-52	—	0.0000573	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-61/PCB-70/PCB-74/PCB-76	—	0.0000374	—	—	2.75E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-66	—	0.0000178	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-8	—	0.0000157	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-86/87/97/109/119/125	—	0.0000582	—	—	4.14E-05	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.000117	—	—	2.07E-05	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-92	—	0.0000181	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total PCB	—	0.00164	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total diCB	—	0.0000684	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total heptaCB	—	0.000211	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total hexaCB	—	0.000675	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total pentaCB	—	0.000466	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total tetraCB	—	0.000137	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total triCB	—	0.0000366	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-132	—	0.0000514	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-136	—	0.0000205	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-141	—	0.0000293	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA

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	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-146	—	0.000025	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-158	—	0.0000118	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-174	—	0.0000707	—	—	6.89E-06	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-179	—	0.0000202	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-194	—	0.0000127	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-196	—	0.00000881	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-37	—	0.00000718	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-84	—	0.0000183	—	—	6.89E-06	ug/L	J	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-95	—	0.000101	—	—	6.89E-06	ug/L	—	J	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total octaCB	—	0.0000512	—	—	—	ug/L	—	—	11-442	CASA-11-1332	CFA
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	0.0066	1.37E-03	3.60E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.013	2.87E-03	3.50E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.00917	1.67E-03	4.00E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00168	9.33E-04	2.90E-02	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00224	6.67E-04	2.90E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0142	1.97E-03	3.40E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00368	5.00E-03	6.20E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0155	2.87E-03	4.10E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-8.53	9.33E-01	6.80E+00	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.67	5.33E-01	4.40E+00	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	0.247	3.07E-01	3.00E+00	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.01	5.00E-01	5.20E+00	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.83	4.00E-01	4.60E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	3.43	4.67E-01	5.10E+00	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.05	5.00E-01	4.50E+00	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.784	4.00E-01	4.10E+00	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.112	8.33E-01	8.20E+00	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC

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	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.956	4.00E-01	3.30E+00	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.38	3.67E-01	3.90E+00	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-2.45	4.67E-01	3.60E+00	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.08	3.67E-01	4.00E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.69	5.00E-01	5.60E+00	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.51	5.00E-01	5.30E+00	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.875	4.00E-01	4.10E+00	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/21/07	WP	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.0037	9.97E-02	1.11E+00	—	pCi/L	U	U	192216	GF070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	06/19/07	WP	F	CS	—	Rad	EPA:900	Gross alpha	<	-0.221	2.07E-01	3.21E+00	—	pCi/L	U	U	188310	GF070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/22/07	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	0.826	1.84E-01	1.85E+00	—	pCi/L	U	U, J-	181347	GF070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.411	2.23E-01	2.80E+00	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.324	1.30E-01	1.40E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/21/07	WP	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.499	1.67E-01	1.80E+00	—	pCi/L	U	U	192216	GU070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	06/19/07	WP	UF	CS	—	Rad	EPA:900	Gross alpha	—	4.13	4.93E-01	3.44E+00	—	pCi/L	—	J-, J	188310	GU070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/22/07	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.42	2.10E-01	1.72E+00	—	pCi/L	U	U, J-	181347	GU070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/21/07	WP	F	CS	—	Rad	EPA:900	Gross beta	—	13.9	7.10E-01	3.62E+00	—	pCi/L	—	—	192216	GF070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	06/19/07	WP	F	CS	—	Rad	EPA:900	Gross beta	—	12.5	6.87E-01	4.39E+00	—	pCi/L	—	J	188310	GF070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/22/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	22.8	5.03E-01	3.03E+00	—	pCi/L	—	—	181347	GF070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	10	5.67E-01	2.90E+00	—	pCi/L	—	—	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	12.5	5.67E-01	2.20E+00	—	pCi/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/21/07	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	18.3	8.33E-01	4.46E+00	—	pCi/L	—	—	192216	GU070800PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	06/19/07	WP	UF	CS	—	Rad	EPA:900	Gross beta	—	17.1	8.20E-01	4.60E+00	—	pCi/L	—	—	188310	GU070600PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/22/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	20.3	5.13E-01	3.47E+00	—	pCi/L	—	—	181347	GU070200PMSC01	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	20	7.00E+00	3.60E+01	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	65.3	2.37E+01	2.20E+02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	63.6	2.00E+01	2.10E+02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	4.43	2.57E+00	7.90E+00	—	pCi/L	U	U	11-447	CASA-11-1332	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	—	Rad	EPA:901.1	Gross gamma	<	6.7	5.33E+00	3.80E+01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.2	5.67E+00	2.20E+01	—	pCi/L	—	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69	1.70E+01	2.20E+02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	78.9	3.67E+01	2.80E+02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.08	6.33E+00	5.60E+01	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	3.59	4.33E+00	3.50E+01	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-7.8	2.30E+00	2.20E+01	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.69	8.00E-01	7.50E+00	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	13.8	3.33E+00	3.40E+01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-25.5	3.17E+00	2.60E+01	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.165	2.87E+00	2.70E+01	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	18.6	3.23E+00	3.30E+01	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0104	5.67E-03	2.90E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.33E-03	2.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00187	2.43E-03	3.40E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00248	1.43E-03	2.80E-02	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	5.67E-04	2.70E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0203	3.67E-03	3.20E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.005	1.23E-03	2.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0111	2.33E-03	3.40E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0125	2.40E-03	3.60E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00164	1.23E-03	2.70E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00187	1.40E-03	4.00E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	1.17E-03	5.10E-02	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	5.67E-04	3.40E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0113	2.70E-03	3.80E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00167	1.23E-03	2.70E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC

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	—	—	02/19/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00186	1.07E-03	4.00E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.1	1.17E+01	1.10E+02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	49.6	9.33E+00	3.20E+01	—	pCi/L	UI	R	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	1.38	7.67E+00	3.80E+01	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.77	9.33E+00	5.10E+01	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-6	6.33E+00	6.60E+01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	28.6	5.00E+00	5.70E+01	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.5	8.33E+00	5.20E+01	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-22.9	4.67E+00	4.40E+01	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.498	8.33E-01	7.90E+00	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	0.767	4.67E-01	4.80E+00	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	1.1	2.93E-01	2.70E+00	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.337	5.00E-01	5.10E+00	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.87	4.33E-01	3.40E+00	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.78	4.00E-01	3.70E+00	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.95	5.33E-01	4.70E+00	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.54	4.67E-01	4.90E+00	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0164	4.00E-02	4.50E-01	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.186	2.30E-02	3.30E-01	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0103	4.00E-02	4.60E-01	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0702	4.67E-02	4.90E-01	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.104	4.00E-02	4.50E-01	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.377	4.67E-02	4.20E-01	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0698	3.33E-02	3.60E-01	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.151	2.83E-02	3.90E-01	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.226	9.33E-03	8.70E-02	—	pCi/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.288	1.00E-02	7.70E-02	—	pCi/L	—	—	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.473	1.57E-02	1.00E-01	—	pCi/L	—	—	08-652	CASA-08-10858	GELC

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	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.732	2.40E-02	6.60E-02	—	pCi/L	—	—	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.213	9.67E-03	8.70E-02	—	pCi/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.242	8.33E-03	5.80E-02	—	pCi/L	—	—	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.297	1.03E-02	8.10E-02	—	pCi/L	—	—	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.427	1.40E-02	9.20E-02	—	pCi/L	—	—	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0157	3.67E-03	4.70E-02	—	pCi/L	U	U	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0238	3.33E-03	4.00E-02	—	pCi/L	U	U	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	1.68E-09	3.67E-03	5.00E-02	—	pCi/L	U	U	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0273	3.33E-03	4.40E-02	—	pCi/L	U	U	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0126	2.13E-03	5.00E-02	—	pCi/L	U	U	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0188	2.13E-03	3.10E-02	—	pCi/L	U	U	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.014	2.50E-03	4.20E-02	—	pCi/L	U	U	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0127	2.60E-03	4.50E-02	—	pCi/L	U	U	08-652	CASA-08-10857	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.241	9.67E-03	4.60E-02	—	pCi/L	—	—	08-1682	CASA-08-14334	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.194	8.00E-03	4.70E-02	—	pCi/L	—	—	08-1216	CASA-08-12825	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.259	1.10E-02	6.00E-02	—	pCi/L	—	—	08-652	CASA-08-10858	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.428	1.63E-02	4.40E-02	—	pCi/L	—	—	11-447	CASA-11-1332	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/19/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.178	8.33E-03	4.60E-02	—	pCi/L	—	—	09-2956	CASA-09-10310	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	08/14/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.198	7.33E-03	3.00E-02	—	pCi/L	—	—	08-1682	CASA-08-14336	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	05/21/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.186	8.00E-03	5.00E-02	—	pCi/L	—	—	08-1216	CASA-08-12824	GELC
Middle Sandia Canyon at terminus of persistent baseflow	—	—	02/19/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.301	1.10E-02	5.40E-02	—	pCi/L	—	—	08-652	CASA-08-10857	GELC
R-10	6381	874	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22715	GELC
R-10	6381	874	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	189	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16769	GELC
R-10	6381	874	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	179	—	—	1.00E+00	uS/cm	—	—	10-1780	CASA-10-9473	GELC
R-10	6381	874	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.32	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22715	GELC
R-10	6381	874	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16769	GELC
R-10	6381	874	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-1780	CASA-10-9473	GELC
R-10	6391	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	187	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22716	GELC
R-10	6391	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	202	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16772	GELC
R-10	6391	1042	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	197	—	—	1.00E+00	uS/cm	—	—	10-452	CASA-10-3709	GELC
R-10	6391	1042	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22716	GELC
R-10	6391	1042	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16772	GELC
R-10	6391	1042	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.21	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9480	GELC
R-10	6391	1042	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.14	—	—	1.00E-02	SU	H	J-	10-452	CASA-10-3709	GELC
R-10a	6371	690	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22720	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-10a	6371	690	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	245	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16775	GELC
R-10a	6371	690	02/09/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	234	—	—	1.00E+00	uS/cm	—	—	10-446	CASA-10-3712	GELC
R-10a	6371	690	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.06	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22720	GELC
R-10a	6371	690	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.08	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16775	GELC
R-10a	6371	690	02/09/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.09	—	—	1.00E-02	SU	H	J-	10-1777	CASA-10-9458	GELC
R-10a	6371	690	11/10/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.03	—	—	1.00E-02	SU	H	J-	10-446	CASA-10-3712	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.3	—	—	7.30E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.6	—	—	7.30E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.9	—	—	7.30E-01	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	69.9	—	—	7.30E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68	—	—	7.30E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0736	—	—	6.60E-02	mg/L	J	J	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	UJ	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.8	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.6	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.5	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	20.9	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.66	—	—	6.60E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.72	—	—	6.60E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.76	—	—	6.60E-02	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.01	—	—	6.60E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.76	—	—	6.60E-02	mg/L	—	J	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.354	—	—	3.30E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.392	—	—	3.30E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.355	—	—	3.30E-02	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.437	—	—	3.30E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.395	—	—	3.30E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.8	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.9	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
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	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	81.3	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.5	—	—	3.50E-01	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	80.9	—	—	3.50E-01	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.6	—	—	3.50E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	79.6	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.99	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.77	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.05	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.6	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.09	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.11	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	8.50E-02	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.12	—	—	8.50E-02	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.69	—	—	8.50E-02	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.92	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3714	GELC

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	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.89	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.25	—	—	2.50E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.23	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.28	—	—	1.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.98	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.812	—	—	5.00E-02	ug/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.838	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.79	—	—	5.00E-02	ug/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.824	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.821	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.51	—	—	2.50E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.45	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.62	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	2.50E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.42	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.2	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.9	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.7	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	5.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.3	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.4	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.8	—	—	1.00E-01	mg/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	5.00E-01	mg/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.1	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	218	—	—	1.00E+00	uS/cm	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	227	—	—	1.00E+00	uS/cm	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	224	—	—	1.00E+00	uS/cm	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	214	—	—	1.00E+00	uS/cm	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	199	—	—	1.00E+00	uS/cm	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.18	—	—	1.00E-01	mg/L	—	J+	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.63	—	—	1.00E-01	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.73	—	—	1.00E-01	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.91	—	—	1.00E-01	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	8.26	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	205	—	—	2.40E+00	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	208	—	—	2.40E+00	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	190	—	—	2.40E+00	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	202	—	—	2.40E+00	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.604	—	—	3.30E-01	mg/L	J	J	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.463	—	—	3.30E-01	mg/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3068	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.51	—	—	3.30E-01	mg/L	J	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-594	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.068	—	—	1.50E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.036	—	—	1.50E-02	mg/L	J	U	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.043	—	—	1.50E-02	mg/L	J	U	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.043	—	—	1.50E-02	mg/L	J	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.086	—	—	1.50E-02	mg/L	—	U	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.01	—	—	1.00E-02	SU	H	J-	10-3622	CASA-10-22658	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-11	5531	855	05/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.13	—	—	1.00E-02	SU	H	J-	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.02	—	—	1.00E-02	SU	H	J-	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.92	—	—	1.00E-02	SU	H	J-	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.6	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.1	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.6	—	—	1.50E+01	ug/L	J	J	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	31.5	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	27.5	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	28.6	—	—	1.50E+01	ug/L	J	U	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	1.50E+01	ug/L	J	J	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	32.9	—	—	1.50E+01	ug/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.8	—	—	1.50E+01	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	29.4	—	—	1.50E+01	ug/L	J	U	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	25.6	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16	—	—	2.50E+00	ug/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	15	—	—	2.50E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	22.7	—	—	2.50E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	18.1	—	—	2.50E+00	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	20	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.5	—	—	2.50E+00	ug/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	22.4	—	—	2.50E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
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	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.59	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.61	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.65	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.69	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.52	—	—	1.00E-01	ug/L	—	J	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.6	—	—	1.00E-01	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.64	—	—	1.00E-01	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.68	—	—	1.00E-01	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.82	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.36	—	—	1.00E+00	ug/L	J	J	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1.3	—	—	1.00E+00	ug/L	J	U	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.02	—	—	1.00E+00	ug/L	J	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.47	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.21	—	—	1.00E+00	ug/L	J	J	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+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	Selenium	—	1.18	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.7	—	—	5.30E-02	mg/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.9	—	—	5.30E-02	mg/L	—	—	10-3068	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.6	—	—	5.30E-02	mg/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.9	—	—	5.30E-02	mg/L	—	—	10-595	CASA-10-3715	GELC

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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	89.1	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	90.2	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	91	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	88.1	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.1	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.5	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	90.7	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	89.2	—	—	1.00E+00	ug/L	—	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	83.5	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.846	—	—	5.00E-02	ug/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.863	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.664	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.701	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.805	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.847	—	—	5.00E-02	ug/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.858	—	—	5.00E-02	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.641	—	—	5.00E-02	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.729	—	—	5.00E-02	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.816	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.01	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.24	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	6.79	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.21	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.54	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.2	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.24	—	—	1.00E+00	ug/L	—	—	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.08	—	—	1.00E+00	ug/L	—	—	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.16	—	—	1.00E+00	ug/L	—	—	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.33	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-11	5531	855	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.64	—	—	3.30E+00	ug/L	J	J	11-492	CASA-11-1370	GELC
R-11	5531	855	07/08/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	8.18	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22658	GELC
R-11	5531	855	05/05/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.33	—	—	3.30E+00	ug/L	J	J	10-3069	CASA-10-16777	GELC
R-11	5531	855	01/29/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.63	—	—	3.30E+00	ug/L	J	J	10-1502	CASA-10-9461	GELC
R-11	5531	855	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	9.98	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3715	GELC
R-11	5531	855	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	12.2	—	—	3.30E+00	ug/L	—	—	11-492	CASA-11-1371	GELC
R-11	5531	855	07/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	8.77	—	—	3.30E+00	ug/L	J	J	10-3622	CASA-10-22657	GELC
R-11	5531	855	05/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.7	—	—	3.30E+00	ug/L	J	J	10-3069	CASA-10-16778	GELC
R-11	5531	855	01/29/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	9.4	—	—	3.30E+00	ug/L	J	J	10-1502	CASA-10-9459	GELC
R-11	5531	855	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	11.2	—	—	3.30E+00	ug/L	—	—	10-595	CASA-10-3714	GELC
R-12	8401	459	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.3	—	—	7.30E-01	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.352	—	—	1.60E-02	mg/L	—	J	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.106	—	—	6.60E-02	mg/L	J	J	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	31	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1357	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

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	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	31.9	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.9	—	—	1.30E-01	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.291	—	—	3.30E-02	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	103	—	—	3.50E-01	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	106	—	—	3.50E-01	mg/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.28	—	—	8.50E-02	mg/L	—	—	11-590	CASA-11-1357	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
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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.39	—	—	8.50E-02	mg/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.17	—	—	1.00E-02	mg/L	—	J	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.417	—	—	5.00E-02	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.59	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.67	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1356	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

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	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.99	—	—	5.00E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.3	—	—	1.00E-01	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	280	—	—	1.00E+00	uS/cm	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.3	—	—	1.00E-01	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	11-590	CASA-11-1357	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
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	11/17/10	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.202	—	—	3.30E-02	mg/L	—	J-	11-589	CASA-11-1356	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	—	J-	10-482	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.138	—	—	3.30E-02	mg/L	—	—	09-2799	CASA-09-10380	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.976	—	—	3.30E-01	mg/L	J	J	11-589	CASA-11-1356	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	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.17	—	—	1.00E-02	SU	H	J-	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	53	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	54.3	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	54.2	—	—	1.50E+01	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	55.3	—	—	1.50E+01	ug/L	—	—	11-590	CASA-11-1356	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	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.61	—	—	2.50E+00	ug/L	J	J	11-590	CASA-11-1357	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
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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.48	—	—	2.50E+00	ug/L	J	J	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	61.6	—	—	3.00E+01	ug/L	J	J	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	73.3	—	—	3.00E+01	ug/L	J	J	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	167	—	—	2.00E+00	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	168	—	—	2.00E+00	ug/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.61	—	—	1.00E-01	ug/L	—	J	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.65	—	—	1.00E-01	ug/L	—	J	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	3.44	—	—	5.00E-01	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.68	—	—	5.00E-01	ug/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	44	—	—	5.30E-02	mg/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	136	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1356	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.07	—	—	5.00E-02	ug/L	—	—	11-590	CASA-11-1357	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.08	—	—	5.00E-02	ug/L	—	—	11-590	CASA-11-1356	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	F	CS	—	Rad	HASL-300	Americium-241	<	0.00238	7.67E-04	3.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0000626	7.67E-04	2.90E-02	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00205	1.20E-03	3.70E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00136	5.00E-04	2.80E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00593	1.13E-03	2.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0108	2.03E-03	3.90E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.55	5.67E-01	5.20E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	2.27	5.33E-01	5.70E+00	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.8	5.00E-01	4.10E+00	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.49	4.33E-01	4.50E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.46	4.67E-01	4.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.222	5.33E-01	4.70E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.08	4.33E-01	3.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.53	4.67E-01	5.10E+00	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.24	6.67E-01	5.20E+00	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0479	4.67E-01	4.60E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0743	3.67E-01	3.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.07	5.67E-01	5.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.878	1.27E-01	1.10E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.4	2.47E-01	2.10E+00	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	2.73	3.67E-01	2.40E+00	—	pCi/L	—	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.522	2.33E-01	2.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.816	1.87E-01	1.90E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	3.39	2.90E-01	2.10E+00	—	pCi/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.06	2.80E-01	2.10E+00	—	pCi/L	—	—	11-590	CASA-11-1356	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.02	2.83E-01	2.90E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.9	2.83E-01	2.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.27	4.00E-01	2.80E+00	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	86.6	4.33E+01	9.00E+01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	47.1	1.33E+01	6.70E+01	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.4	3.07E+00	3.40E+01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	32.7	5.67E+00	5.10E+01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	48.1	8.67E+00	6.40E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	69.1	1.83E+01	6.50E+01	—	pCi/L	—	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	26.8	4.67E+00	4.50E+01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC

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	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	0.213	1.10E+00	1.10E+01	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.5	4.67E+00	4.70E+01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-21.4	3.67E+00	3.20E+01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.199	3.27E+00	3.30E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0618	2.87E+00	2.80E+01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0137	1.83E-03	3.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00234	7.67E-04	2.70E-02	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00841	1.63E-03	4.60E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-2.17E-09	3.67E-03	3.70E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00175	2.10E-03	2.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-9.47E-10	1.63E-03	3.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0137	2.53E-03	3.70E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0	7.67E-04	4.80E-02	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00919	2.00E-03	3.20E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-1.09E-09	2.13E-03	3.70E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	1.04E-10	8.33E-04	3.20E-02	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00595	2.00E-03	3.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	44.6	7.00E+00	4.90E+01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.44	6.33E+00	6.50E+01	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	18.5	6.33E+00	7.00E+01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	26	8.00E+00	5.10E+01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	0.8	6.33E+00	6.50E+01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	30.6	5.33E+00	6.00E+01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.62	4.67E-01	4.00E+00	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.908	4.33E-01	3.90E+00	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.41	5.67E-01	4.40E+00	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.52	5.33E-01	5.70E+00	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.363	4.67E-01	4.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.209	5.33E-01	5.40E+00	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.111	4.00E-02	4.20E-01	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0985	4.33E-02	4.50E-01	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0637	4.33E-02	4.80E-01	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.168	3.10E-02	4.00E-01	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.142	4.33E-02	4.20E-01	—	pCi/L	U	U	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.215	4.00E-02	3.80E-01	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.409	1.40E-02	8.90E-02	—	pCi/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.481	1.63E-02	5.30E-02	—	pCi/L	—	—	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.416	1.73E-02	6.50E-02	—	pCi/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.323	1.10E-02	6.00E-02	—	pCi/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.233	9.00E-03	6.90E-02	—	pCi/L	—	J-	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.329	1.27E-02	1.00E-01	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.019	2.43E-03	4.10E-02	—	pCi/L	U	U	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0283	3.23E-03	3.50E-02	—	pCi/L	U	U	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.033	4.67E-03	5.20E-02	—	pCi/L	U	U	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0186	2.70E-03	3.00E-02	—	pCi/L	U	U	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	1.50E-03	3.40E-02	—	pCi/L	U	UJ	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0158	2.40E-03	4.80E-02	—	pCi/L	U	U	09-1788	CASA-09-8276	GELC
R-12	8401	459	05/07/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.231	9.33E-03	4.40E-02	—	pCi/L	—	—	09-1788	CASA-09-8277	GELC
R-12	8401	459	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.224	9.67E-03	3.50E-02	—	pCi/L	—	—	11-590	CASA-11-1356	GELC
R-12	8401	459	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.224	1.17E-02	4.60E-02	—	pCi/L	—	—	10-1774	CASA-10-9446	GELC
R-12	8401	459	11/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.196	7.67E-03	3.70E-02	—	pCi/L	—	—	10-483	CASA-10-3822	GELC
R-12	8401	459	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.107	5.33E-03	3.40E-02	—	pCi/L	—	J-	09-2800	CASA-09-10380	GELC
R-12	8401	459	05/07/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.21	9.33E-03	5.10E-02	—	pCi/L	—	—	09-1788	CASA-09-8276	GELC
R-12	8411	504.5	11/17/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	57.6	—	—	7.30E-01	mg/L	—	—	11-590	CASA-11-1358	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

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	—	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.6	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.8	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1359	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.39	—	—	6.60E-02	mg/L	—	—	11-590	CASA-11-1358	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
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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.318	—	—	3.30E-02	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63	—	—	3.50E-01	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.6	—	—	3.50E-01	mg/L	—	—	11-590	CASA-11-1359	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.02	—	—	8.50E-02	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.05	—	—	8.50E-02	mg/L	—	—	11-590	CASA-11-1359	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	11/17/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.132	—	—	1.00E-02	mg/L	—	J	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.939	—	—	5.00E-02	ug/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.55	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.58	—	—	5.00E-02	mg/L	—	—	11-590	CASA-11-1359	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	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	11/17/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.8	—	—	1.00E-01	mg/L	—	—	11-590	CASA-11-1359	GELC
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	11/17/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	175	—	—	1.00E+00	uS/cm	—	—	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.97	—	—	1.00E-01	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	126	—	—	2.40E+00	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.493	—	—	3.30E-01	mg/L	J	J	11-589	CASA-11-1359	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	10-1773	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.617	—	—	3.30E-01	mg/L	J	J	10-482	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.942	—	—	3.30E-01	mg/L	J	J	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	11/17/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.27	—	—	1.00E-02	SU	H	J-	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.52	—	—	1.50E+00	ug/L	J	J	11-590	CASA-11-1358	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	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.5	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.2	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1359	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

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	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.3	—	—	1.50E+01	ug/L	J	J	11-590	CASA-11-1358	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
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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	19.9	—	—	1.50E+01	ug/L	J	J	11-590	CASA-11-1359	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-09-10383	GELC
R-12	8411	504.5	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4	—	—	2.50E+00	ug/L	J	J	11-590	CASA-11-1358	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	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	11/12/09	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	08/05/09	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.01	—	—	2.50E+00	ug/L	J	J	11-590	CASA-11-1359	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	10	—	—	2.50E+00	ug/L	U	U	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	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	11/12/09	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	08/05/09	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	38	—	—	2.00E+00	ug/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	37.9	—	—	2.00E+00	ug/L	—	—	11-590	CASA-11-1359	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	11-590	CASA-11-1358	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	<	2	—	—	5.00E-01	ug/L	U	U	10-3195	CASA-10-16751	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.02	—	—	5.00E-01	ug/L	J	J	11-590	CASA-11-1359	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	11/17/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.2	—	—	1.00E+00	ug/L	J	J	11-590	CASA-11-1358	GELC
R-12	8411	504.5	05/17/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	1.71	—	—	1.00E+00	ug/L	J	U	10-3195	CASA-10-16751	GELC
R-12	8411	504.5	02/09/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+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	Selenium	—	1.01	—	—	1.00E+00	ug/L	—	—	10-483	CASA-10-3824	GELC
R-12	8411	504.5	08/05/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2799	CASA-09-10384	GELC
R-12	8411	504.5	05/17/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	2.38	—	—	1.00E+00	ug/L	J	U	10-3195	CASA-10-16749	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+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	Selenium	<	5	—	—	1.00E+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	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	09-2799	CASA-09-10383	GELC
R-12	8411	504.5	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	48.8	—	—	5.30E-02	mg/L	—	—	11-590	CASA-11-1358	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	74.2	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1358	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

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	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	75	—	—	1.00E+00	ug/L	—	—	11-590	CASA-11-1359	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	11/17/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	3.99	—	—	1.00E+00	ug/L	J	J	11-590	CASA-11-1358	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	11/17/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.66	—	—	1.00E+00	ug/L	J	J	11-590	CASA-11-1359	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	F	CS	—	Rad	HASL-300	Americium-241	<	0.00447	2.07E-03	3.70E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00554	1.30E-03	4.00E-02	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00655	1.23E-03	3.30E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00493	9.33E-04	3.00E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0015	6.33E-04	2.30E-02	—	pCi/L	U	UJ	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00471	1.07E-03	3.80E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.53	5.33E-01	4.80E+00	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-2.18	5.67E-01	5.10E+00	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.441	6.00E-01	5.80E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	0.0936	5.33E-01	5.10E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.02	5.00E-01	3.70E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.17	5.00E-01	5.30E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.63	4.67E-01	5.50E+00	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	2.42	6.67E-01	7.20E+00	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	1.97	5.67E-01	6.50E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.801	5.33E-01	5.60E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.33	4.00E-01	3.40E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.59	5.00E-01	4.40E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:900	Gross alpha	<	0.735	8.67E-02	7.30E-01	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.82	2.03E-01	2.00E+00	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.989	2.53E-01	2.60E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.435	2.07E-01	2.50E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.0541	1.13E-01	1.20E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:900	Gross beta	—	2.3	2.17E-01	1.70E+00	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.17	2.40E-01	2.30E+00	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	5.75	4.33E-01	3.30E+00	—	pCi/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	<	1.54	2.27E-01	2.20E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:900	Gross beta	—	3.64	3.10E-01	2.70E+00	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Gross gamma	<	64.4	8.00E+00	6.20E+01	—	pCi/L	—	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	52.8	5.67E+00	3.90E+01	—	pCi/L	—	—	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.22	9.00E-01	9.20E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	25.8	6.67E+00	3.40E+01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	65.2	8.67E+00	7.40E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Gross gamma	—	75.7	8.00E+00	6.20E+01	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	5.33	3.67E+00	3.70E+01	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.98	1.20E+00	1.10E+01	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-11.6	2.83E+00	2.60E+01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-5.07	3.33E+00	3.30E+01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.4	3.03E+00	3.10E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC

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	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	17.3	4.33E+00	4.00E+01	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.0131	4.00E-03	3.40E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	6.00E-04	2.10E-02	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.0234	3.67E-03	5.10E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00745	3.67E-03	3.10E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00952	3.33E-03	3.60E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	1.00E-03	3.30E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	2.08E-09	3.33E-03	4.20E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0233	2.47E-03	3.80E-02	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0237	2.77E-03	3.50E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0168	2.27E-03	3.10E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00238	1.37E-03	4.40E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.0125	1.73E-03	4.00E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Potassium-40	<	19.3	6.00E+00	6.80E+01	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-3	6.33E+00	6.50E+01	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	20.5	8.00E+00	8.50E+01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-17.4	5.33E+00	5.10E+01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.5	6.67E+00	5.70E+01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-8.11	6.00E+00	5.50E+01	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.426	5.00E-01	4.70E+00	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.51	7.00E-01	6.20E+00	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	1.4	6.00E-01	6.30E+00	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.102	5.00E-01	4.80E+00	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	3.66	3.67E-01	4.60E+00	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.429	4.67E-01	4.60E+00	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	EPA:905.0	Strontium-90	<	0.122	2.90E-02	2.90E-01	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.319	4.33E-02	4.00E-01	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.103	4.00E-02	4.80E-01	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0289	4.33E-02	5.30E-01	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.351	4.67E-02	4.30E-01	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0688	2.97E-02	3.10E-01	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-234	—	0.272	1.13E-02	1.00E-01	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.319	1.33E-02	6.40E-02	—	pCi/L	—	—	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.311	1.40E-02	6.20E-02	—	pCi/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.299	1.10E-02	6.50E-02	—	pCi/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.262	9.33E-03	6.30E-02	—	pCi/L	—	—	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.34	1.40E-02	1.30E-01	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0155	3.13E-03	4.70E-02	—	pCi/L	U	U	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0113	2.20E-03	4.20E-02	—	pCi/L	U	U	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0363	4.67E-03	4.90E-02	—	pCi/L	U	U	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0203	2.73E-03	3.30E-02	—	pCi/L	U	U	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00204	1.53E-03	3.10E-02	—	pCi/L	U	U	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0393	4.33E-03	5.90E-02	—	pCi/L	U	U	09-1663	CASA-09-8279	GELC
R-12	8411	504.5	04/29/09	WG	F	CS	—	Rad	HASL-300	Uranium-238	—	0.133	7.33E-03	5.10E-02	—	pCi/L	—	—	09-1663	CASA-09-8281	GELC
R-12	8411	504.5	11/17/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.196	9.33E-03	4.30E-02	—	pCi/L	—	—	11-590	CASA-11-1359	GELC
R-12	8411	504.5	02/09/10	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.127	8.33E-03	4.40E-02	—	pCi/L	—	—	10-1774	CASA-10-9447	GELC
R-12	8411	504.5	11/12/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.142	7.00E-03	4.00E-02	—	pCi/L	—	—	10-483	CASA-10-3825	GELC
R-12	8411	504.5	08/05/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0975	5.33E-03	3.10E-02	—	pCi/L	—	—	09-2800	CASA-09-10383	GELC
R-12	8411	504.5	04/29/09	WG	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.165	9.00E-03	6.40E-02	—	pCi/L	—	—	09-1663	CASA-09-8279	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	100	—	—	7.30E-01	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	107	—	—	7.30E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	101	—	—	7.30E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	102	—	—	7.30E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	103	—	—	7.30E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.3	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.7	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC

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	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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.7	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.2	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	22.1	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	21.8	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	23.1	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.35	—	—	6.60E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.2	—	—	6.60E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.06	—	—	6.60E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.29	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	6.32	—	—	6.60E-02	mg/L	—	J+	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.27	—	—	3.30E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.256	—	—	3.30E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.313	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.625	—	—	3.30E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	79.4	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	76.9	—	—	3.50E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	77.1	—	—	3.50E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	83.3	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	84.5	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	75.5	—	—	3.50E-01	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	78.1	—	—	3.50E-01	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	77.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	82.1	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.79	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.46	—	—	8.50E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.57	—	—	8.50E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.74	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.07	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	6.14	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.47	—	—	8.50E-02	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.59	—	—	8.50E-02	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.58	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.95	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.469	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.484	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.51	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.5	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.53	—	—	5.00E-02	mg/L	—	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	5.00E-02	ug/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.432	—	—	5.00E-02	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.417	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.387	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.396	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.35	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.99	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.04	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.34	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.32	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.63	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.92	—	—	5.00E-02	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.1	—	—	5.00E-02	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.08	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	4.26	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3827	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.9	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	1.00E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.9	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.3	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.7	—	—	1.00E-01	mg/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17.3	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	16.2	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	17	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	250	—	—	1.00E+00	uS/cm	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	243	—	—	1.00E+00	uS/cm	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	248	—	—	1.00E+00	uS/cm	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	238	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	237	—	—	1.00E+00	uS/cm	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.27	—	—	1.00E-01	mg/L	—	J+	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.41	—	—	1.00E-01	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.23	—	—	1.00E-01	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.46	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.3	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	220	—	—	2.40E+00	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	217	—	—	2.40E+00	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	203	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	198	—	—	2.40E+00	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.82	—	—	3.30E-01	mg/L	J	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.463	—	—	3.30E-01	mg/L	J	J	10-3610	CASA-10-22660	GELC
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	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.034	—	—	1.50E-02	mg/L	J	J	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.025	—	—	1.50E-02	mg/L	J	U	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.046	—	—	1.50E-02	mg/L	J	U	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.095	—	—	1.50E-02	mg/L	—	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.056	—	—	1.50E-02	mg/L	—	J-	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.1	—	—	1.00E-02	SU	H	J-	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8	—	—	1.00E-02	SU	H	J-	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.93	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.95	—	—	1.00E-02	SU	H	J-	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.86	—	—	—	%	—	—	11-746	CASA-11-1372	UIL
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.1	—	—	—	%	—	—	10-3592	CASA-10-9846	UIL
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.25	—	—	—	%	—	—	10-1027	CASA-10-3895	UIL
R-35a	8331	1013.1	08/03/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.32	—	—	—	%	—	—	09-3059	CASA-09-10390	UIL
R-35a	8331	1013.1	04/28/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.37	—	—	—	%	—	—	09-1858	CASA-09-8304	UIL
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3610	CASA-10-22662	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.68	—	—	1.50E+00	ug/L	J	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.78	—	—	1.50E+00	ug/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.95	—	—	1.50E+00	ug/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.02	—	—	1.50E+00	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	4.2	—	—	1.50E+00	ug/L	J	U	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	345	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	324	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	332	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	GELC

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	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	368	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	316	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	339	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.9	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	338	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39	—	—	1.50E+01	ug/L	J	J	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	37.3	—	—	1.50E+01	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	39.3	—	—	1.50E+01	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	38.5	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	41.4	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	40.9	—	—	1.50E+01	ug/L	J	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	37	—	—	1.50E+01	ug/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	43.7	—	—	1.50E+01	ug/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.1	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	39.6	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.71	—	—	2.50E+00	ug/L	J	J	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.75	—	—	2.50E+00	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.06	—	—	2.50E+00	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.88	—	—	2.50E+00	ug/L	JN	J	10-1948	CASA-10-9837	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.78	—	—	2.50E+00	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.64	—	—	2.50E+00	ug/L	—	—	10-665	CASA-10-3895	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.02	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	15.8	—	—	2.50E+00	ug/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.6	—	—	2.50E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13	—	—	2.50E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	29.2	—	—	2.50E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	20.7	—	—	2.50E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	34	—	—	3.00E+01	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	38.4	—	—	3.00E+01	ug/L	J	J	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	76.9	—	—	3.00E+01	ug/L	J	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	113	—	—	3.00E+01	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	115	—	—	3.00E+01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1826	CASA-10-9464	GELC
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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.5	—	—	2.00E+00	ug/L	J	J	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.78	—	—	2.00E+00	ug/L	J	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.55	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.14	—	—	2.00E+00	ug/L	J	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.28	—	—	2.00E+00	ug/L	J	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.05	—	—	2.00E+00	ug/L	J	J	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.12	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.6	—	—	2.00E+00	ug/L	J	J	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.14	—	—	1.00E-01	ug/L	—	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.13	—	—	1.00E-01	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.47	—	—	1.00E-01	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.28	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.72	—	—	1.00E-01	ug/L	—	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.4	—	—	1.00E-01	ug/L	—	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.33	—	—	1.00E-01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.09	—	—	1.00E-01	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.63	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3827	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	22.2	—	—	5.00E-01	ug/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	10.7	—	—	5.00E-01	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	17	—	—	5.00E-01	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.9	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	22.4	—	—	5.00E-01	ug/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.3	—	—	5.00E-01	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	11.7	—	—	5.00E-01	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.6	—	—	5.00E-01	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.4	—	—	5.00E-01	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	81	—	—	5.30E-02	mg/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76.5	—	—	5.30E-02	mg/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.4	—	—	5.30E-02	mg/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	82.4	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	84.7	—	—	5.30E-02	mg/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	175	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	164	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	156	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	165	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	186	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	160	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	166	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	145	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	159	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.664	—	—	5.00E-02	ug/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.685	—	—	5.00E-02	ug/L	—	J	10-3610	CASA-10-22662	GELC
R-35a	8331	1013.1	05/14/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.606	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16781	GELC
R-35a	8331	1013.1	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.59	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9465	GELC
R-35a	8331	1013.1	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.616	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3826	GELC
R-35a	8331	1013.1	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.691	—	—	5.00E-02	ug/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.712	—	—	5.00E-02	ug/L	—	J	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.66	—	—	5.00E-02	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.625	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.639	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.8	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1372	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.9	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22662	GELC
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.3	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1.00E+00	ug/L	—	—	10-3610	CASA-10-22660	GELC
R-35a	8331	1013.1	05/14/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	18.2	—	—	1.00E+00	ug/L	—	—	10-3183	CASA-10-16779	GELC
R-35a	8331	1013.1	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.1	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9464	GELC
R-35a	8331	1013.1	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	17.2	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3827	GELC
R-35a	8331	1013.1	07/07/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3610	CASA-10-22662	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.26	—	—	3.30E+00	ug/L	J	J	11-491	CASA-11-1373	GELC
R-35a	8331	1013.1	07/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3610	CASA-10-22660	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-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	73.1	—	—	7.30E-01	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.9	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA: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	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.6	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.7	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.68	—	—	6.60E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.71	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.73	—	—	6.60E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	2.78	—	—	6.60E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.378	—	—	3.30E-02	mg/L	—	J-	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.441	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.478	—	—	3.30E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.786	—	—	3.30E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.2	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60.2	—	—	3.50E-01	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	59.8	—	—	3.50E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.5	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60	—	—	3.50E-01	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.86	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.16	—	—	8.50E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.12	—	—	8.50E-02	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.06	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.81	—	—	8.50E-02	mg/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	5.03	—	—	8.50E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.32	—	—	5.00E-02	mg/L	—	J+	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.4	—	—	5.00E-02	mg/L	—	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.16	—	—	5.00E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.18	—	—	5.00E-02	mg/L	—	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.577	—	—	5.00E-02	ug/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.653	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.561	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.536	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.58	—	—	5.00E-02	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.07	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3831	GELC

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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.05	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	E	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.95	—	—	5.00E-02	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	12	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.3	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	12.4	—	—	1.00E-01	mg/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.4	—	—	1.00E-01	mg/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	N	J+	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	uS/cm	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	176	—	—	1.00E+00	uS/cm	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	168	—	—	1.00E+00	uS/cm	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	169	—	—	1.00E+00	uS/cm	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.4	—	—	1.00E-01	mg/L	—	J+	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.51	—	—	1.00E-01	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.56	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.59	—	—	1.00E-01	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	3.46	—	—	1.00E-01	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	2.40E+00	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	183	—	—	2.40E+00	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	159	—	—	2.40E+00	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	165	—	—	2.40E+00	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.713	—	—	3.30E-01	mg/L	J	J	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.466	—	—	3.30E-01	mg/L	J	J	10-3678	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-3151	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.85	—	—	3.30E-01	mg/L	J	J	10-1825	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.434	—	—	3.30E-01	mg/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.054	—	—	1.50E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.028	—	—	1.50E-02	mg/L	J	U	10-3679	CASA-10-22664	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	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.79	—	—	1.00E-02	SU	H	J-	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.82	—	—	1.00E-02	SU	H	J-	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.88	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.77	—	—	1.00E-02	SU	H	J-	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.89	—	—	1.00E-02	SU	H	J-	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.2	—	—	—	%	—	—	11-746	CASA-11-1375	UIL
R-35b	8351	825.4	04/27/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.49	—	—	—	%	—	—	09-1858	CASA-09-8307	UIL
R-35b	8351	825.4	02/02/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.48	—	—	—	%	—	—	09-1115	CASA-09-3017	UIL
R-35b	8351	825.4	11/06/08	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.35	—	—	—	%	—	—	09-323	CASA-09-886	UIL
R-35b	8351	825.4	08/12/08	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.31	—	—	1.00E-01	%	—	—	08-1742	CASA-08-14385	UIL
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.3	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.4	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	40.1	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	39.3	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC

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	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24	—	—	1.50E+01	ug/L	J	J	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26.1	—	—	1.50E+01	ug/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	28.9	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	22.9	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.2	—	—	1.50E+01	ug/L	J	J	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.5	—	—	1.50E+01	ug/L	J	J	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.2	—	—	1.50E+01	ug/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	27.9	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.8	—	—	1.50E+01	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.9	—	—	1.50E+01	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.1	—	—	2.50E+00	ug/L	J	J	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.19	—	—	2.50E+00	ug/L	J	J	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.63	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-1826	CASA-10-9467	GELC
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	6.95	—	—	2.50E+00	ug/L	J	J	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.29	—	—	2.50E+00	ug/L	J	J	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	<	50	—	—	1.30E+01	ug/L	U	U	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.82	—	—	2.50E+00	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3152	CASA-10-16782	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	114	—	—	3.00E+01	ug/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3152	CASA-10-16783	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	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3679	CASA-10-22664	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.42	—	—	2.00E+00	ug/L	J	J	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	3.25	—	—	2.00E+00	ug/L	J	J	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.84	—	—	2.00E+00	ug/L	J	J	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.89	—	—	2.00E+00	ug/L	J	J	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.5	—	—	5.30E-02	mg/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	74.9	—	—	5.30E-02	mg/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	80.2	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	76	—	—	5.30E-02	mg/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	79.2	—	—	5.30E-02	mg/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	66.6	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.3	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	67.5	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	63.9	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.7	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65.7	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	68.3	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	63.7	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.346	—	—	5.00E-02	ug/L	—	—	11-491	CASA-11-1375	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.307	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.345	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.301	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	<	0.33	—	—	5.00E-02	ug/L	—	U	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.342	—	—	5.00E-02	ug/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.319	—	—	5.00E-02	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.351	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.418	—	—	5.00E-02	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	<	0.331	—	—	5.00E-02	ug/L	—	U	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.5	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.5	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14	—	—	1.00E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.9	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	13.8	—	—	1.00E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-35b	8351	825.4	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	29.7	—	—	3.30E+00	ug/L	—	—	11-491	CASA-11-1375	GELC
R-35b	8351	825.4	07/13/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	28.3	—	—	3.30E+00	ug/L	—	—	10-3679	CASA-10-22664	GELC
R-35b	8351	825.4	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	36.2	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16782	GELC
R-35b	8351	825.4	02/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	30.2	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9467	GELC
R-35b	8351	825.4	11/03/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	26.2	—	—	3.30E+00	ug/L	—	—	10-335	CASA-10-3831	GELC
R-35b	8351	825.4	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40.8	—	—	3.30E+00	ug/L	—	—	11-491	CASA-11-1374	GELC
R-35b	8351	825.4	07/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	27.3	—	—	3.30E+00	ug/L	—	—	10-3679	CASA-10-22663	GELC
R-35b	8351	825.4	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	40	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16783	GELC
R-35b	8351	825.4	02/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	31	—	—	3.30E+00	ug/L	—	—	10-1826	CASA-10-9469	GELC
R-35b	8351	825.4	11/03/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	29.5	—	—	3.30E+00	ug/L	—	—	10-335	CASA-10-3830	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.7	—	—	7.30E-01	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.4	—	—	7.30E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	65.5	—	—	7.30E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	66.9	—	—	7.30E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.1	—	—	7.30E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.021	—	—	1.60E-02	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.03	—	—	1.60E-02	mg/L	J	U	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.027	—	—	1.60E-02	mg/L	J	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.0912	—	—	6.60E-02	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.104	—	—	6.60E-02	mg/L	HJ	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.111	—	—	6.60E-02	mg/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.4	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.1	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.2	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.7	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	18.9	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.5	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22702	GELC
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	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.71	—	—	6.60E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.6	—	—	6.60E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.63	—	—	6.60E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	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	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.489	—	—	3.30E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.417	—	—	3.30E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.48	—	—	3.30E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.492	—	—	3.30E-02	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.797	—	—	3.30E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	63.7	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.5	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.9	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	62.8	—	—	3.50E+00	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	64.8	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	65.3	—	—	3.50E-01	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	60.4	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	62.2	—	—	3.50E-01	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.3	—	—	3.50E+00	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	63.8	—	—	3.50E-01	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.32	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.21	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.25	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.18	—	—	8.50E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.41	—	—	8.50E-02	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.02	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.13	—	—	8.50E-02	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-01	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.34	—	—	8.50E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.26	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.49	—	—	1.00E-01	mg/L	—	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.06	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.27	—	—	5.00E-02	mg/L	—	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.7	—	—	2.00E-01	ug/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.00E-01	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.55	—	—	2.00E-01	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.43	—	—	1.00E-01	ug/L	—	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.7	—	—	1.00E-01	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.16	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.11	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.04	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.93	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.23	—	—	5.00E-02	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2	—	—	5.00E-02	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	2.02	—	—	5.00E-02	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.96	—	—	5.00E-02	mg/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.3	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	16	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.5	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.7	—	—	1.00E-01	mg/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	15.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.6	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	13.8	—	—	1.00E-01	mg/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	14.7	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3834	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1.00E+00	uS/cm	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	194	—	—	1.00E+00	uS/cm	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	204	—	—	1.00E+00	uS/cm	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00E+00	uS/cm	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	190	—	—	1.00E+00	uS/cm	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.74	—	—	1.00E-01	mg/L	—	J+	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.03	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.87	—	—	1.00E-01	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.06	—	—	1.00E-01	mg/L	H	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	7.14	—	—	1.00E-01	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	187	—	—	2.40E+00	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	186	—	—	2.40E+00	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	179	—	—	2.40E+00	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	171	—	—	2.40E+00	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.724	—	—	3.30E-01	mg/L	J	J	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.645	—	—	3.30E-01	mg/L	J	J	10-3649	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.568	—	—	3.30E-01	mg/L	J	J	10-3151	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.11	—	—	3.30E-01	mg/L	—	—	10-1643	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.959	—	—	3.30E-01	mg/L	J	J	10-374	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.039	—	—	1.50E-02	mg/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.037	—	—	1.50E-02	mg/L	J	U	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.05	—	—	1.50E-02	mg/L	U	U	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	<	0.071	—	—	1.50E-02	mg/L	—	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.063	—	—	1.50E-02	mg/L	—	J-	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.59	—	—	1.00E-02	SU	H	J-	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.91	—	—	1.00E-02	SU	H	J-	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.61	—	—	1.00E-02	SU	H	J-	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.73	—	—	1.50E+00	ug/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3650	CASA-10-22703	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	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.3	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	35.1	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	34.2	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	35.6	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	34.6	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.7	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.9	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.1	—	—	1.50E+01	ug/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	25.3	—	—	1.50E+01	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	26	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.50E+01	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.8	—	—	1.50E+01	ug/L	J	J	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	24.6	—	—	1.50E+01	ug/L	J	J	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	26.3	—	—	1.50E+01	ug/L	J	J	10-3152	CASA-10-16793	GELC

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	—	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	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.72	—	—	2.50E+00	ug/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.50E+00	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.89	—	—	2.50E+00	ug/L	J	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	6.19	—	—	2.50E+00	ug/L	J	J	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.75	—	—	2.50E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.23	—	—	2.50E+00	ug/L	J	J	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	10.4	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
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	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	0.551	—	—	5.00E-01	ug/L	J	J	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3650	CASA-10-22702	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.01	—	—	2.00E+00	ug/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3650	CASA-10-22703	GELC
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.22	—	—	2.00E+00	ug/L	J	J	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	<	10	—	—	2.00E+00	ug/L	U	U	10-3650	CASA-10-22702	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	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.63	—	—	1.00E-01	ug/L	—	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.97	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.92	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	1.74	—	—	1.00E-01	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	2.06	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.73	—	—	1.00E-01	ug/L	—	J	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	2.17	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.95	—	—	1.00E-01	ug/L	—	J	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.73	—	—	1.00E-01	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	1.85	—	—	1.00E-01	ug/L	—	J	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1	—	—	1.00E+00	ug/L	J	J	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1	—	—	1.00E+00	ug/L	J	J	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.13	—	—	1.00E+00	ug/L	J	J	10-375	CASA-10-3833	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.19	—	—	1.00E+00	ug/L	J	J	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.13	—	—	1.00E+00	ug/L	J	J	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	71.5	—	—	5.30E-02	mg/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.3	—	—	5.30E-02	mg/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72	—	—	5.30E-02	mg/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	68.3	—	—	5.30E-02	mg/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	72.9	—	—	5.30E-02	mg/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	72.1	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	76.3	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC

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	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	74.1	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	73.2	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	71.2	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.4	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	69.5	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.326	—	—	5.00E-02	ug/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.352	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.334	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.277	—	—	5.00E-02	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.271	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.325	—	—	5.00E-02	ug/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.386	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.333	—	—	5.00E-02	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.281	—	—	5.00E-02	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.25	—	—	5.00E-02	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.2	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.3	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.4	—	—	1.00E+00	ug/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.1	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.6	—	—	1.00E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.7	—	—	1.00E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	14.8	—	—	1.00E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-36	8431	766.9	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	59.8	—	—	3.30E+00	ug/L	—	—	11-492	CASA-11-1377	GELC
R-36	8431	766.9	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	49.9	—	—	3.30E+00	ug/L	—	—	10-3650	CASA-10-22703	GELC
R-36	8431	766.9	05/12/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	67.3	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16792	GELC
R-36	8431	766.9	02/04/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	62.8	—	—	3.30E+00	ug/L	—	—	10-1644	CASA-10-9494	GELC
R-36	8431	766.9	11/04/09	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	68.6	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3833	GELC
R-36	8431	766.9	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	63.7	—	—	3.30E+00	ug/L	—	—	11-492	CASA-11-1376	GELC
R-36	8431	766.9	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	51.6	—	—	3.30E+00	ug/L	—	—	10-3650	CASA-10-22702	GELC
R-36	8431	766.9	05/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	71.6	—	—	3.30E+00	ug/L	—	—	10-3152	CASA-10-16793	GELC
R-36	8431	766.9	02/04/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	72.1	—	—	3.30E+00	ug/L	—	—	10-1644	CASA-10-9493	GELC
R-36	8431	766.9	11/04/09	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	68.9	—	—	3.30E+00	ug/L	—	—	10-375	CASA-10-3834	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	39.4	—	—	7.30E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	42.3	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	40.4	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	40.3	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	38.7	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.068	—	—	1.60E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.021	—	—	1.60E-02	mg/L	J	U	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.042	—	—	1.60E-02	mg/L	J	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.033	—	—	1.60E-02	mg/L	J	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.09	—	—	6.60E-02	mg/L	J	J	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.127	—	—	6.60E-02	mg/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.115	—	—	6.60E-02	mg/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	<	0.2	—	—	6.60E-02	mg/L	U	U	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.1	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	17	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	16	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	17.3	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.7	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	16.1	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	5.26	—	—	6.60E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.79	—	—	6.60E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.81	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.75	—	—	6.60E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	4.38	—	—	6.60E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.337	—	—	3.30E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.292	—	—	3.30E-02	mg/L	—	J-	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.343	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.39	—	—	3.30E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.365	—	—	3.30E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.1	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.6	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.9	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	54.4	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	58.6	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.7	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	54.8	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	53.9	—	—	3.50E-01	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.58	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.67	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.07	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.49	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.76	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.5	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.63	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.52	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	3.47	—	—	8.50E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.5	—	—	2.50E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.71	—	—	1.00E-01	mg/L	—	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.51	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.21	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	5.36	—	—	1.00E-01	mg/L	—	J	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.955	—	—	5.00E-02	ug/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.948	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.851	—	—	5.00E-02	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.678	—	—	5.00E-02	ug/L	—	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.9	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.39	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.38	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.23	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.34	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.19	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.27	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.21	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.32	—	—	5.00E-02	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.9	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1378	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.6	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.2	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	11.1	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.1	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	9.96	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.7	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	10.5	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	171	—	—	1.00E+00	uS/cm	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	177	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	165	—	—	1.00E+00	uS/cm	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	164	—	—	1.00E+00	uS/cm	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	10.5	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.65	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.55	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.56	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	9.2	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	185	—	—	2.40E+00	mg/L	—	J	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	182	—	—	2.40E+00	mg/L	—	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	184	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	189	—	—	2.40E+00	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	169	—	—	2.40E+00	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.15	—	—	3.30E-01	mg/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.748	—	—	3.30E-01	mg/L	J	J	10-3716	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.879	—	—	3.30E-01	mg/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.514	—	—	3.30E-01	mg/L	J	J	10-1596	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.699	—	—	3.30E-01	mg/L	J	J	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.15	—	—	1.00E-02	SU	H	J-	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.23	—	—	1.00E-02	SU	H	J-	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.04	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.2	—	—	1.00E-02	SU	H	J-	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.02	—	—	—	%	—	—	11-746	CASA-11-1378	UIL
R-43	8651	903.9	02/02/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.11	—	—	—	%	—	—	10-3592	CASA-10-9842	UIL
R-43	8651	903.9	11/19/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.36	—	—	—	%	—	—	10-1027	CASA-10-4776	UIL
R-43	8651	903.9	08/18/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.22	—	—	—	%	—	—	09-3059	CASA-09-10396	UIL
R-43	8651	903.9	06/19/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.44	—	—	—	%	—	—	09-2847	CAMO-09-10502	UIL
R-43	8651	903.9	06/19/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.41	—	—	—	%	—	—	09-2847	CAMO-09-10504	UIL
R-43	8651	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.5	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	20.7	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	19.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	21.2	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.7	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	20.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	19.2	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.6	—	—	1.50E+01	ug/L	J	J	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.7	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17	—	—	1.50E+01	ug/L	J	J	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	17.4	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22705	GELC

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	—	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	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	14.3	—	—	2.50E+00	ug/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	9.39	—	—	2.50E+00	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	7.71	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.63	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.2	—	—	2.50E+00	ug/L	J	J	10-1600	CASA-10-9838	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.73	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	3.4	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3896	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	2.50E+00	ug/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	11.9	—	—	2.50E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	8.25	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.91	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.05	—	—	2.50E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.18	—	—	5.00E-01	ug/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.62	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.28	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.5	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.66	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	3.62	—	—	5.00E-01	ug/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.51	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.34	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.8	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.74	—	—	5.00E-01	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	—	1.97	—	—	1.00E+00	ug/L	J	J	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3717	CASA-10-22706	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	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	—	1.91	—	—	1.00E+00	ug/L	J	J	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Selenium	<	5	—	—	1.00E+00	ug/L	U	U	10-3717	CASA-10-22705	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	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	75.8	—	—	5.30E-02	mg/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	69.6	—	—	5.30E-02	mg/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.1	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	70.7	—	—	5.30E-02	mg/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	73.3	—	—	5.30E-02	mg/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	65.9	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	59.9	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.1	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	60.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	62.4	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	66.8	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	59.4	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC
R-43	8651	903.9	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	61.4	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16795	GELC
R-43	8651	903.9	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	65	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9484	GELC
R-43	8651	903.9	11/19/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3858	GELC
R-43	8651	903.9	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.48	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.26	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22706	GELC
R-43	8651	903.9	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.76	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16794	GELC
R-43	8651	903.9	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.85	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9481	GELC
R-43	8651	903.9	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.94	—	—	1.00E+00	ug/L	—	—	10-636	CASA-10-3857	GELC
R-43	8651	903.9	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.61	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.36	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22705	GELC

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	—	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	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	3.98	—	—	3.30E+00	ug/L	J	J	11-551	CASA-11-1378	GELC
R-43	8651	903.9	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	4.3	—	—	3.30E+00	ug/L	J	U	10-3717	CASA-10-22706	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	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.69	—	—	3.30E+00	ug/L	J	J	11-551	CASA-11-1379	GELC
R-43	8651	903.9	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	4.48	—	—	3.30E+00	ug/L	J	U	10-3717	CASA-10-22705	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	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	10.1	—	—	7.30E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	6.27	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.88	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	8.86	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	7.94	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	79.9	—	—	7.30E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	86.2	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.3	—	—	7.30E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	78.7	—	—	7.30E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	74.9	—	—	7.30E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.8	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.9	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.4	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.7	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	14.5	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	15.3	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.47	—	—	6.60E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.41	—	—	6.60E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.38	—	—	6.60E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.62	—	—	6.60E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	3.67	—	—	6.60E-02	mg/L	—	J	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.324	—	—	3.30E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.278	—	—	3.30E-02	mg/L	—	J-	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.299	—	—	3.30E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.358	—	—	3.30E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.354	—	—	3.30E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	57.9	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	56.5	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	58.5	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.6	—	—	3.50E-01	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	56.6	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	52.9	—	—	3.50E-01	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	57.1	—	—	3.50E+00	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.47	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.39	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.45	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.87	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.46	—	—	8.50E-02	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.48	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.04	—	—	8.50E-02	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	4.56	—	—	8.50E-01	mg/L	—	—	10-1597	CASA-10-9486	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.765	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.9	—	—	5.00E-02	mg/L	—	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.9	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.91	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	1.34	—	—	5.00E-02	mg/L	—	J	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.419	—	—	5.00E-02	ug/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.434	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.411	—	—	5.00E-02	ug/L	—	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.469	—	—	5.00E-02	ug/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.57	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.54	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.55	—	—	5.00E-02	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.49	—	—	5.00E-02	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	19.1	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.7	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.1	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.8	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.5	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	18.2	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	188	—	—	1.00E+00	uS/cm	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	191	—	—	1.00E+00	uS/cm	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	193	—	—	1.00E+00	uS/cm	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	183	—	—	1.00E+00	uS/cm	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.61	—	—	1.00E-01	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.15	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	4.82	—	—	1.00E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	5.34	—	—	1.00E-01	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	6.78	—	—	1.00E-01	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	178	—	—	2.40E+00	mg/L	—	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	175	—	—	2.40E+00	mg/L	—	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	167	—	—	2.40E+00	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	160	—	—	2.40E+00	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	162	—	—	2.40E+00	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.73	—	—	3.30E-01	mg/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.519	—	—	3.30E-01	mg/L	J	J	10-3716	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.475	—	—	3.30E-01	mg/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	<	1	—	—	3.30E-01	mg/L	U	U	10-1596	CASA-10-9486	GELC
R-43	8661	969.1	11/19/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.458	—	—	3.30E-01	mg/L	J	J	10-636	CASA-10-3861	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.69	—	—	1.00E-02	SU	H	J-	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.71	—	—	1.00E-02	SU	H	J-	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.64	—	—	1.00E-02	SU	H	J-	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	8.57	—	—	1.00E-02	SU	H	J-	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.01	—	—	—	%	—	—	11-746	CASA-11-1381	UIL
R-43	8661	969.1	02/02/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	2.12	—	—	—	%	—	—	10-3592	CASA-10-9845	UIL
R-43	8661	969.1	08/18/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.58	—	—	—	%	—	—	09-3059	CASA-09-10401	UIL
R-43	8661	969.1	06/18/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.43	—	—	—	%	—	—	09-2847	CAMO-09-10512	UIL
R-43	8661	969.1	06/18/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.41	—	—	—	%	—	—	09-2847	CAMO-09-10509	UIL
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.554	—	—	5.00E-01	ug/L	J	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.609	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	—	0.637	—	—	5.00E-01	ug/L	J	J	10-3108	CASA-10-16798	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Antimony	<	0.595	—	—	5.00E-01	ug/L	J	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.573	—	—	5.00E-01	ug/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.596	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.614	—	—	5.00E-01	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Antimony	<	0.602	—	—	5.00E-01	ug/L	J	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.59	—	—	1.50E+00	ug/L	J	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.44	—	—	1.50E+00	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.22	—	—	1.50E+00	ug/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.87	—	—	1.50E+00	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12.6	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	12	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	13.7	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.7	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.2	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	12.4	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	36.5	—	—	1.50E+01	ug/L	J	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.2	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	35.8	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	17.8	—	—	1.50E+01	ug/L	J	J	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.7	—	—	1.50E+01	ug/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	34.8	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	35.6	—	—	1.50E+01	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	18.6	—	—	1.50E+01	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.13	—	—	2.50E+00	ug/L	J	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	4.97	—	—	2.50E+00	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	5.53	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	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	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	4.36	—	—	2.50E+00	ug/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.04	—	—	2.50E+00	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.42	—	—	2.50E+00	ug/L	J	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	3.13	—	—	2.50E+00	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	34.7	—	—	3.00E+01	ug/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	30.2	—	—	3.00E+01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	226	—	—	3.00E+01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	3.92	—	—	1.00E-01	ug/L	—	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.36	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.25	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.35	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	3.72	—	—	1.00E-01	ug/L	—	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.75	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.35	—	—	1.00E-01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.39	—	—	1.00E-01	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	1.61	—	—	5.00E-01	ug/L	J	J	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.993	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	2.18	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	0.848	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9488	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.71	—	—	5.00E-01	ug/L	J	J	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.06	—	—	5.00E-01	ug/L	J	J	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	2.2	—	—	5.00E-01	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	0.938	—	—	5.00E-01	ug/L	J	J	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	66.2	—	—	5.30E-02	mg/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	60.9	—	—	5.30E-02	mg/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.3	—	—	5.30E-01	mg/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.4	—	—	5.30E-02	mg/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/19/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.7	—	—	5.30E-02	mg/L	—	—	10-636	CASA-10-3860	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	93.3	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.6	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	85.2	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	81.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	92.9	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	86	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.6	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	82.3	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	J	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.15	—	—	5.00E-02	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.17	—	—	5.00E-02	ug/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.32	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.31	—	—	5.00E-02	ug/L	—	J	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.16	—	—	5.00E-02	ug/L	—	—	10-1597	CASA-10-9486	GELC
R-43	8661	969.1	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.07	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1381	GELC
R-43	8661	969.1	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	7.73	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22710	GELC
R-43	8661	969.1	05/10/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.33	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16798	GELC
R-43	8661	969.1	02/02/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	8.31	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9488	GELC
R-43	8661	969.1	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.65	—	—	1.00E+00	ug/L	—	—	11-551	CASA-11-1380	GELC
R-43	8661	969.1	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.72	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22709	GELC
R-43	8661	969.1	05/10/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	7.79	—	—	1.00E+00	ug/L	—	—	10-3108	CASA-10-16799	GELC
R-43	8661	969.1	02/02/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	8.28	—	—	1.00E+00	ug/L	—	—	10-1597	CASA-10-9486	GELC
SCA-1-DP	8751	2.16	11/11/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	172	—	—	7.30E-01	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.368	—	—	6.60E-02	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.8	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	33.8	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	78.2	—	—	6.60E-01	mg/L	—	—	11-497	CASA-11-1344	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

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	Chloride	—	63.9	—	—	6.60E-01	mg/L	—	—	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.367	—	—	3.30E-02	mg/L	—	—	11-497	CASA-11-1344	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
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	11/11/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	125	—	—	3.50E-01	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	125	—	—	3.50E-01	mg/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.88	—	—	8.50E-02	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.94	—	—	8.50E-02	mg/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.6	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	100	—	—	1.00E-01	mg/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	99.6	—	—	1.00E-01	mg/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	670	—	—	1.00E+00	uS/cm	—	—	11-497	CASA-11-1344	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	11/11/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	29.2	—	—	1.00E-01	mg/L	—	J+	11-497	CASA-11-1344	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	11/11/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	470	—	—	2.40E+00	mg/L	—	—	11-497	CASA-11-1344	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	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	419	—	—	2.40E+00	mg/L	—	—	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	798	—	—	2.40E+00	mg/L	—	—	10-1415	CASA-10-9422	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	396	—	—	2.40E+00	mg/L	—	—	10-322	CASA-10-3621	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.40E+00	mg/L	—	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	11/11/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.47	—	—	1.00E-02	SU	H	J-	11-497	CASA-11-1344	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	—	79.7	—	—	6.80E+01	ug/L	J	J	11-497	CASA-11-1344	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3172	CASA-10-16720	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	1330	—	—	6.80E+01	ug/L	—	—	11-497	CASA-11-1345	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	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.28	—	—	1.50E+00	ug/L	J	J	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	90.1	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	110	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	60.2	—	—	1.50E+01	ug/L	—	—	11-497	CASA-11-1344	GELC
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	59.6	—	—	1.50E+01	ug/L	—	—	11-497	CASA-11-1345	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	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-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	Cadmium	<	1	—	—	1.10E-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	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	—	0.17	—	—	1.10E-01	ug/L	J	J	11-497	CASA-11-1345	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6020	Cadmium	<	1	—	—	1.10E-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	Cadmium	<	1	—	—	1.10E-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	Cadmium	<	1	—	—	1.10E-01	ug/L	U	U	09-2761	CASA-09-10335	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.7	—	—	1.30E+01	ug/L	J	J	11-497	CASA-11-1344	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	—	5.78	—	—	2.50E+00	ug/L	J	J	10-322	CASA-10-3621	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	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	97.6	—	—	1.30E+01	ug/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	—	2.27	—	—	1.00E+00	ug/L	J	J	11-497	CASA-11-1344	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-3172	CASA-10-16720	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	F	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+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	Cobalt	<	5	—	—	1.00E+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	Cobalt	—	1.19	—	—	1.00E+00	ug/L	J	J	09-2761	CASA-09-10333	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	10-3172	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	Cobalt	<	5	—	—	1.00E+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	Cobalt	<	5	—	—	1.00E+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	Cobalt	<	5	—	—	1.00E+00	ug/L	U	U	09-2761	CASA-09-10335	GELC
SCA-1-DP	8751	2.16	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	—	4.23	—	—	3.00E+00	ug/L	J	J	11-497	CASA-11-1344	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3172	CASA-10-16720	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.88	—	—	3.00E+00	ug/L	J	J	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	—	2150	—	—	3.00E+01	ug/L	—	—	11-497	CASA-11-1344	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	345	—	—	3.00E+01	ug/L	—	U	10-3172	CASA-10-16720	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	3390	—	—	3.00E+01	ug/L	—	—	11-497	CASA-11-1345	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	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3172	CASA-10-16720	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Lead	—	3.82	—	—	5.00E-01	ug/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	1010	—	—	2.00E+00	ug/L	—	—	11-497	CASA-11-1344	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
SCA-1-DP	8751	2.16	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	1020	—	—	2.00E+00	ug/L	—	—	11-497	CASA-11-1345	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

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	Metals	SW-846:6010B	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	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	9.06	—	—	1.00E-01	ug/L	—	J	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	11.8	—	—	1.00E-01	ug/L	—	J	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	114	—	—	2.70E-01	mg/L	—	—	11-497	CASA-11-1344	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	05/13/10	WG	F	CS	—	Metals	SW-846:6020	Silver	<	1	—	—	2.00E-01	ug/L	U	U	10-3172	CASA-10-16720	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Silver	—	1.8	—	—	2.00E-01	ug/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	149	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1344	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	151	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	0.066	—	—	5.00E-02	ug/L	J	J	11-497	CASA-11-1344	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
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	11/11/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.324	—	—	5.00E-02	ug/L	—	—	11-497	CASA-11-1345	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	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	3.99	—	—	1.00E+00	ug/L	J	J	11-497	CASA-11-1345	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	11/11/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	—	4.15	—	—	3.30E+00	ug/L	J	J	11-497	CASA-11-1344	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	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	11/11/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	43.1	—	—	3.30E+00	ug/L	—	—	11-497	CASA-11-1345	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	11/11/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	—	0.36	—	—	2.50E-01	ug/L	J	J	11-496	CASA-11-1345	GELC
SCA-1-DP	8751	2.16	05/13/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3171	CASA-10-16721	GELC
SCA-1-DP	8751	2.16	01/25/10	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-1415	CASA-10-9423	GELC
SCA-1-DP	8751	2.16	11/02/09	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-321	CASA-10-3620	GELC
SCA-1-DP	8751	2.16	08/03/09	WG	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	09-2760	CASA-09-10335	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.5	—	—	7.30E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	105	—	—	7.30E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	98.5	—	—	7.30E-01	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	96.2	—	—	7.30E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	88.8	—	—	7.30E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.038	—	—	1.60E-02	mg/L	J	J	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.05	—	—	1.60E-02	mg/L	U	UJ	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.048	—	—	1.60E-02	mg/L	J	U	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	1.60E-02	mg/L	J	J-	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.031	—	—	1.60E-02	mg/L	J	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.917	—	—	6.60E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.937	—	—	6.60E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.02	—	—	6.60E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.04	—	—	6.60E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	1.11	—	—	6.60E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	68	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.3	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	69.2	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.8	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	71.8	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.9	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	70.3	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.6	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	72	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	88.5	—	—	6.60E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.5	—	—	6.60E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.6	—	—	6.60E-01	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	84.2	—	—	6.60E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	86.9	—	—	6.60E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.208	—	—	3.30E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.177	—	—	3.30E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.156	—	—	3.30E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.183	—	—	3.30E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	<	0.158	—	—	3.30E-02	mg/L	—	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	211	—	—	3.50E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	220	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	215	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	211	—	—	3.50E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	222	—	—	3.50E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	218	—	—	3.50E-01	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	209	—	—	3.50E-01	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	218	—	—	3.50E-01	mg/L	—	—	10-3091	CASA-10-16757	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	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	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10	—	—	8.50E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.1	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
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	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.63	—	—	8.50E-02	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.4	—	—	8.50E-02	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.88	—	—	8.50E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.6	—	—	8.50E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.14	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.14	—	—	5.00E-02	mg/L	—	J	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.03	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	2.2	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.981	—	—	1.00E-01	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.983	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.868	—	—	5.00E-02	ug/L	—	J	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.934	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.932	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.48	—	—	5.00E-02	mg/L	—	J	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.46	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.53	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.41	—	—	5.00E-02	mg/L	—	J	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.5	—	—	5.00E-02	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.68	—	—	5.00E-02	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.35	—	—	5.00E-02	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	1.43	—	—	5.00E-02	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.8	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	65.1	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	52.6	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	53.8	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.9	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.2	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	60.8	—	—	1.00E-01	mg/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	51.6	—	—	1.00E-01	mg/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	57	—	—	1.00E-01	mg/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	55.9	—	—	1.00E-01	mg/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	709	—	—	1.00E+00	uS/cm	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	715	—	—	1.00E+00	uS/cm	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	731	—	—	1.00E+00	uS/cm	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	691	—	—	1.00E+00	uS/cm	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	660	—	—	1.00E+00	uS/cm	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85.5	—	—	1.00E+00	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	89.9	—	—	1.00E+00	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	92.9	—	—	1.00E+00	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	96.6	—	—	1.00E+00	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	102	—	—	1.00E+00	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	465	—	—	2.40E+00	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	484	—	—	2.40E+00	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	488	—	—	2.40E+00	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	494	—	—	2.40E+00	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	465	—	—	2.40E+00	mg/L	—	—	10-595	CASA-10-3667	GELC

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	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.72	—	—	3.30E-01	mg/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.54	—	—	3.30E-01	mg/L	—	—	10-3649	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.41	—	—	3.30E-01	mg/L	—	—	10-3090	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	10-1678	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.84	—	—	3.30E-01	mg/L	—	—	10-594	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.722	—	—	1.50E-02	mg/L	—	J	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.937	—	—	1.50E-02	mg/L	—	J	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.842	—	—	1.50E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.858	—	—	1.50E-02	mg/L	—	J	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.404	—	—	1.50E-02	mg/L	—	J	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.54	—	—	1.00E-02	SU	H	J-	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.53	—	—	1.00E-02	SU	H	J-	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.8	—	—	1.00E-02	SU	H	J-	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.33	—	—	1.00E-02	SU	H	J-	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.36	—	—	1.00E-02	SU	H	J-	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	1.5	—	—	1.50E+00	ug/L	J	J	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	2.35	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Arsenic	—	8.56	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.62	—	—	1.50E+00	ug/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	2.01	—	—	1.50E+00	ug/L	J	J	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	1.8	—	—	1.50E+00	ug/L	J	J	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.68	—	—	1.50E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	36.2	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.6	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	38.8	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.3	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	37.2	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.9	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.8	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	38.2	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	33.8	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	37.4	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	84.6	—	—	1.50E+01	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	82.8	—	—	1.50E+01	ug/L	—	—	10-3650	CASA-10-22647	GELC
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	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.7	—	—	1.50E+01	ug/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.4	—	—	1.50E+01	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.1	—	—	1.50E+01	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	85	—	—	1.50E+01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	81.6	—	—	1.50E+01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	12.9	—	—	2.50E+00	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.8	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.5	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	2.50E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	16.4	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	14.6	—	—	2.50E+00	ug/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	16.9	—	—	2.50E+00	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.9	—	—	2.50E+00	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	21.9	—	—	2.50E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	17.9	—	—	2.50E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3650	CASA-10-22647	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

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-846:6010B	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	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	—	4.02	—	—	3.00E+00	ug/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Copper	<	10	—	—	3.00E+00	ug/L	U	U	10-3650	CASA-10-22646	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	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	35.5	—	—	3.00E+01	ug/L	J	U	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	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	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	92.6	—	—	3.00E+01	ug/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	73.1	—	—	3.00E+01	ug/L	J	U	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	135	—	—	3.00E+01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	94.5	—	—	1.00E-01	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	96.8	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	92.5	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	87.9	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Molybdenum	—	93.9	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	90.8	—	—	1.00E-01	ug/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	96.8	—	—	1.00E-01	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	92.3	—	—	1.00E-01	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	91.7	—	—	1.00E-01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	93.2	—	—	1.00E-01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.3	—	—	5.00E-01	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.26	—	—	5.00E-01	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	4.43	—	—	5.00E-01	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	5.38	—	—	5.00E-01	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	6.62	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.31	—	—	5.00E-01	ug/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	6.06	—	—	5.00E-01	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.33	—	—	5.00E-01	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	5.1	—	—	5.00E-01	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	4.69	—	—	5.00E-01	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.2	—	—	5.30E-02	mg/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.8	—	—	5.30E-02	mg/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	63.8	—	—	5.30E-02	mg/L	—	—	10-3090	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	62.6	—	—	5.30E-02	mg/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	334	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	303	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	302	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	301	—	—	1.00E+00	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	318	—	—	1.00E+00	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	304	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.82	—	—	5.00E-02	ug/L	—	—	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.76	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.61	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	2.38	—	—	5.00E-02	ug/L	—	—	10-1679	CASA-10-9454	GELC
SCI-1	8211	358.4	11/18/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.94	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.83	—	—	5.00E-02	ug/L	—	—	11-555	CASA-11-1360	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.71	—	—	5.00E-02	ug/L	—	—	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.64	—	—	5.00E-02	ug/L	—	—	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	2.24	—	—	5.00E-02	ug/L	—	—	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.96	—	—	5.00E-02	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-1	8211	358.4	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.49	—	—	1.00E+00	ug/L	J	J	11-555	CASA-11-1361	GELC
SCI-1	8211	358.4	07/12/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	2.25	—	—	1.00E+00	ug/L	J	U	10-3650	CASA-10-22647	GELC
SCI-1	8211	358.4	05/07/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3091	CASA-10-16756	GELC
SCI-1	8211	358.4	02/05/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	<	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-846:6010B	Vanadium	—	1.45	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3667	GELC
SCI-1	8211	358.4	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.67	—	—	1.00E+00	ug/L	J	J	11-555	CASA-11-1360	GELC
SCI-1	8211	358.4	07/12/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	2.17	—	—	1.00E+00	ug/L	J	U	10-3650	CASA-10-22646	GELC
SCI-1	8211	358.4	05/07/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	<	5	—	—	1.00E+00	ug/L	U	U	10-3091	CASA-10-16757	GELC
SCI-1	8211	358.4	02/05/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.12	—	—	1.00E+00	ug/L	J	J	10-1679	CASA-10-9452	GELC
SCI-1	8211	358.4	11/18/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.35	—	—	1.00E+00	ug/L	—	—	10-595	CASA-10-3665	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.8	—	—	7.30E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	77.3	—	—	7.30E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.9	—	—	7.30E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	72.4	—	—	7.30E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	70.5	—	—	7.30E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.47	—	—	6.60E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.465	—	—	6.60E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.475	—	—	6.60E-02	mg/L	—	J+	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.459	—	—	6.60E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.468	—	—	6.60E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	67.5	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	63.4	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.7	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.7	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.2	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	68.8	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	59.6	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	61.9	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.5	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	66.4	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57	—	—	6.60E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	57.3	—	—	6.60E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54	—	—	6.60E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	55.1	—	—	6.60E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Chloride	—	54.7	—	—	6.60E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00548	—	—	1.70E-03	mg/L	—	J-	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00753	—	—	1.70E-03	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00475	—	—	1.70E-03	mg/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.0057	—	—	1.70E-03	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.304	—	—	8.30E-03	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.215	—	—	3.30E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.172	—	—	3.30E-02	mg/L	—	J-	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.318	—	—	3.30E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.203	—	—	3.30E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.191	—	—	3.30E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	232	—	—	3.50E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	219	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	212	—	—	3.50E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	230	—	—	3.50E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SM:A2340B	Hardness	—	228	—	—	3.50E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	237	—	—	3.50E-01	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	206	—	—	3.50E-01	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	213	—	—	3.50E-01	mg/L	—	—	10-3084	CASA-10-16763	GELC

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	—	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	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.5	—	—	8.50E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.7	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14	—	—	8.50E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.3	—	—	8.50E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.9	—	—	8.50E-02	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.9	—	—	8.50E-02	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	14.2	—	—	8.50E-02	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	15.4	—	—	8.50E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.4	—	—	2.50E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.78	—	—	1.00E-01	mg/L	—	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	4.64	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
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	11/16/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.04	—	—	1.00E-01	ug/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.08	—	—	1.00E-01	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.979	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.01	—	—	1.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	1.12	—	—	1.00E-01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.73	—	—	5.00E-02	mg/L	—	J	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.31	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.44	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.51	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.85	—	—	5.00E-02	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.12	—	—	5.00E-02	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.6	—	—	5.00E-02	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.61	—	—	5.00E-02	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	3.49	—	—	5.00E-02	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.2	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.3	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.1	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.8	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	1.00E-01	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	20	—	—	1.00E-01	mg/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	21.8	—	—	1.00E-01	mg/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	22.6	—	—	1.00E-01	mg/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	23.2	—	—	1.00E-01	mg/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	587	—	—	1.00E+00	uS/cm	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	584	—	—	1.00E+00	uS/cm	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	587	—	—	1.00E+00	uS/cm	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	560	—	—	1.00E+00	uS/cm	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	577	—	—	1.00E+00	uS/cm	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85.7	—	—	1.00E+00	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	87.5	—	—	1.00E+00	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	83.3	—	—	1.00E+00	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	86.4	—	—	1.00E+00	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	85	—	—	1.00E+00	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	450	—	—	2.40E+00	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	426	—	—	2.40E+00	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	415	—	—	2.40E+00	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	451	—	—	2.40E+00	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	425	—	—	2.40E+00	mg/L	—	—	10-553	CASA-10-3717	GELC

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	11/16/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.38	—	—	3.30E-01	mg/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.16	—	—	3.30E-01	mg/L	—	—	10-3716	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.797	—	—	3.30E-01	mg/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	0.915	—	—	3.30E-01	mg/L	J	J	10-1694	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	1.12	—	—	3.30E-01	mg/L	—	—	10-552	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.65	—	—	1.00E-02	SU	H	J-	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.58	—	—	1.00E-02	SU	H	J-	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.63	—	—	1.00E-02	SU	H	J-	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Geninorg	EPA:150.1	pH	—	7.64	—	—	1.00E-02	SU	H	J-	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.07	—	—	—	%	—	—	11-746	CASA-11-1362	UIL
SCI-2	8601	548	02/08/10	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.15	—	—	—	%	—	—	10-3592	CASA-10-12690	UIL
SCI-2	8601	548	11/17/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.1	—	—	—	%	—	—	10-1027	CASA-10-3894	UIL
SCI-2	8601	548	08/04/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.1	—	—	—	%	—	—	09-3059	CASA-09-10368	UIL
SCI-2	8601	548	05/06/09	WG	F	CS	—	Isotope	SW-846:6020	Chromium-53/52	—	1.06	—	—	—	%	—	—	09-1858	CASA-09-8315	UIL
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	65.5	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	60.4	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	59.2	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	63.1	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Barium	—	62.9	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	67	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	57.5	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	60.2	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63.6	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Barium	—	63	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	19.5	—	—	1.50E+01	ug/L	J	J	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	21.4	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	20.5	—	—	1.50E+01	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Boron	—	16.5	—	—	1.50E+01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	20.2	—	—	1.50E+01	ug/L	J	J	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	21	—	—	1.50E+01	ug/L	J	J	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	<	50	—	—	1.50E+01	ug/L	U	U	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	23.3	—	—	1.50E+01	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Boron	—	16.9	—	—	1.50E+01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	512	—	—	2.50E+00	ug/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	545	—	—	2.50E+00	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	526	—	—	2.50E+00	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Chromium	—	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	—	637	—	—	2.50E+00	ug/L	—	—	10-553	CASA-10-3717	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	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	497	—	—	2.50E+00	ug/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	525	—	—	2.50E+00	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	529	—	—	2.50E+00	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	537	—	—	2.50E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Chromium	—	627	—	—	2.50E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Iron	<	100	—	—	3.00E+01	ug/L	U	U	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	106	—	—	3.00E+01	ug/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	41.8	—	—	3.00E+01	ug/L	J	J	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	158	—	—	3.00E+01	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	37	—	—	3.00E+01	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Iron	—	48.4	—	—	3.00E+01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.1	—	—	2.00E+00	ug/L	J	J	11-555	CASA-11-1362	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	2.29	—	—	2.00E+00	ug/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.39	—	—	2.00E+00	ug/L	J	J	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	3.29	—	—	2.00E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Manganese	—	4.07	—	—	2.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.68	—	—	2.00E+00	ug/L	J	J	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Manganese	—	2.55	—	—	2.00E+00	ug/L	J	J	10-3717	CASA-10-22650	GELC
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	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19.3	—	—	5.00E-01	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	15.8	—	—	5.00E-01	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	16.7	—	—	5.00E-01	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Nickel	—	19	—	—	5.00E-01	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.2	—	—	5.00E-01	ug/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.4	—	—	5.00E-01	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.1	—	—	5.00E-01	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	16.5	—	—	5.00E-01	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Nickel	—	18.3	—	—	5.00E-01	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	64.9	—	—	5.30E-02	mg/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	61.2	—	—	5.30E-02	mg/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	58	—	—	5.30E-02	mg/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.5	—	—	5.30E-02	mg/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	65.9	—	—	5.30E-02	mg/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	325	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	298	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	305	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	317	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Strontium	—	309	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	335	—	—	1.00E+00	ug/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	280	—	—	1.00E+00	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	308	—	—	1.00E+00	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	320	—	—	1.00E+00	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Strontium	—	310	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.51	—	—	5.00E-02	ug/L	—	—	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.42	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.27	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.5	—	—	5.00E-02	ug/L	—	—	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.39	—	—	5.00E-02	ug/L	—	—	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.29	—	—	5.00E-02	ug/L	—	—	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.57	—	—	5.00E-02	ug/L	—	—	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.38	—	—	5.00E-02	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	11/16/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.2	—	—	1.00E+00	ug/L	J	J	11-555	CASA-11-1362	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.06	—	—	1.00E+00	ug/L	J	J	10-3717	CASA-10-22651	GELC
SCI-2	8601	548	05/06/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	2.67	—	—	1.00E+00	ug/L	J	J	10-3084	CASA-10-16761	GELC
SCI-2	8601	548	02/08/10	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.91	—	—	1.00E+00	ug/L	J	J	10-1696	CASA-10-9490	GELC
SCI-2	8601	548	11/17/09	WG	F	CS	—	Metals	SW-846:6010B	Vanadium	—	1.22	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.49	—	—	1.00E+00	ug/L	J	J	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.15	—	—	1.00E+00	ug/L	J	J	10-3717	CASA-10-22650	GELC
SCI-2	8601	548	05/06/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	2.61	—	—	1.00E+00	ug/L	J	J	10-3084	CASA-10-16763	GELC
SCI-2	8601	548	02/08/10	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.88	—	—	1.00E+00	ug/L	J	J	10-1696	CASA-10-9489	GELC
SCI-2	8601	548	11/17/09	WG	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	1.29	—	—	1.00E+00	ug/L	—	—	10-553	CASA-10-3716	GELC
SCI-2	8601	548	07/15/10	WG	F	CS	—	Metals	SW-846:6010B	Zinc	<	10	—	—	3.30E+00	ug/L	U	U	10-3717	CASA-10-22651	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

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	—	Metals	SW-846:6010B	Zinc	—	4.06	—	—	3.30E+00	ug/L	—	—	10-553	CASA-10-3717	GELC
SCI-2	8601	548	11/16/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	—	4.07	—	—	3.30E+00	ug/L	J	J	11-555	CASA-11-1363	GELC
SCI-2	8601	548	07/15/10	WG	UF	CS	—	Metals	SW-846:6010B	Zinc	<	12.6	—	—	3.30E+00	ug/L	—	U	10-3717	CASA-10-22650	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
Sandia below Wetlands	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	68.2	—	—	7.30E-01	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.093	—	—	1.60E-02	mg/L	—	J-	11-497	CASA-11-1335	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.058	—	—	1.60E-02	mg/L	—	U	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.042	—	—	1.60E-02	mg/L	J	J-	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.398	—	—	6.60E-02	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	29.9	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	28.3	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	51.3	—	—	3.30E-01	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.406	—	—	3.30E-02	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	109	—	—	3.50E-01	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	103	—	—	3.50E-01	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	8.25	—	—	8.50E-02	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	7.83	—	—	8.50E-02	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.69	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1335	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	<	0.21	—	—	5.00E-02	mg/L	J	U	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.54	—	—	5.00E-02	mg/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.527	—	—	5.00E-02	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.9	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	12.2	—	—	5.00E-02	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	90.9	—	—	1.00E-01	mg/L	—	—	11-497	CASA-11-1335	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
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	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	86.5	—	—	1.00E-01	mg/L	—	—	11-497	CASA-11-1334	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

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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	590	—	—	1.00E+00	uS/cm	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	28	—	—	1.00E-01	mg/L	—	J+	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	9.6	—	—	1.10E+00	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	450	—	—	2.40E+00	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.447	—	—	3.30E-02	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	4.64	—	—	3.30E-01	mg/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	1.32	—	—	1.50E-02	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.18	—	—	1.00E-02	SU	H	J-	11-497	CASA-11-1335	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	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Aluminum	<	200	—	—	6.80E+01	ug/L	U	U	10-3172	CASA-10-16687	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Aluminum	—	189	—	—	6.80E+01	ug/L	J	J	11-497	CASA-11-1334	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
Sandia below Wetlands	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.39	—	—	1.50E+00	ug/L	J	J	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.3	—	—	1.50E+00	ug/L	J	J	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	40	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	42.7	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	71	—	—	1.50E+01	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	68	—	—	1.50E+01	ug/L	—	—	11-497	CASA-11-1334	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	—	—	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	13.4	—	—	1.30E+01	ug/L	J	J	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	211	—	—	3.00E+01	ug/L	—	—	11-497	CASA-11-1335	GELC
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	152	—	—	3.00E+01	ug/L	—	U	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	236	—	—	3.00E+01	ug/L	—	—	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	407	—	—	3.00E+01	ug/L	—	—	11-497	CASA-11-1334	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	<	360	—	—	3.00E+01	ug/L	—	U	10-3172	CASA-10-16688	GELC
Sandia below Wetlands	—	—	01/29/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	589	—	—	3.00E+01	ug/L	—	—	10-1502	CASA-10-9412	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia below Wetlands	—	—	05/13/10	WS	F	CS	—	Metals	SW-846:6020	Lead	<	2	—	—	5.00E-01	ug/L	U	U	10-3172	CASA-10-16687	GELC
Sandia below Wetlands	—	—	01/29/10	WS	F	CS	—	Metals	SW-846:6020	Lead	—	0.687	—	—	5.00E-01	ug/L	J	J	10-1502	CASA-10-9411	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.668	—	—	5.00E-01	ug/L	J	J	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Manganese	—	38.8	—	—	2.00E+00	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	52.7	—	—	2.00E+00	ug/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.53	—	—	1.00E-01	ug/L	—	J	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.79	—	—	1.00E-01	ug/L	—	J	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	139	—	—	2.70E-01	mg/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	140	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	133	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.37	—	—	5.00E-02	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.53	—	—	5.00E-02	ug/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	19.2	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	19	—	—	1.00E+00	ug/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	11.6	—	—	3.30E+00	ug/L	—	—	11-497	CASA-11-1335	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	—	—	11/11/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	17.6	—	—	3.30E+00	ug/L	—	—	11-497	CASA-11-1334	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	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-105	—	0.000472	—	—	3.46E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-108/PCB-124	—	0.0000308	—	—	1.38E-05	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-11	—	0.0000451	—	—	3.64E-05	ug/L	J	J	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-110/PCB-115	—	0.0000148	—	—	1.45E-05	ug/L	J	J	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-110/PCB-115	—	0.0019	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-114	—	0.0000124	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-118	—	0.00155	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-122	—	0.0000105	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-128/PCB-166	—	0.000378	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-129/PCB-138/PCB-163	—	0.00304	—	—	2.07E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-135/PCB-151	—	0.000988	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-139/PCB-140	—	0.0000348	—	—	1.38E-05	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-147/PCB-149	—	0.00221	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA

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	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-15	—	0.0000167	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.0000187	—	—	1.45E-05	ug/L	J	J	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.00256	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-156/PCB-157	—	0.000305	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-164	—	0.000213	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-167	—	0.000107	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-170	—	0.000773	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-171/PCB-173	—	0.000242	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-18/PCB-30	—	0.0000382	—	—	1.38E-05	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-180/PCB-193	—	0.00171	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-183/PCB-185	—	0.000555	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-187	—	0.000976	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-189	—	0.0000227	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-191	—	0.0000283	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-195	—	0.000132	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-198/PCB-199	—	0.000373	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-20/PCB-28	—	0.0000775	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-202	—	0.0000598	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-203	—	0.000201	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-205	—	0.0000122	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-206	—	0.0000652	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-21/PCB-33	—	0.0000144	—	—	1.38E-05	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-31	—	0.0000434	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-32	—	0.0000154	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-40/PCB-71	—	0.0000722	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-49/PCB-69	—	0.000213	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-52	—	0.0000105	—	—	7.26E-06	ug/L	J	J	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-52	—	0.000633	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-60	—	0.0000215	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-61/PCB-70/PCB-74/PCB-76	—	0.000474	—	—	2.76E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-64	—	0.0000825	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-66	—	0.0000103	—	—	7.26E-06	ug/L	J	J	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-66	—	0.000291	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-72	—	0.00000956	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-77	—	0.0000318	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-8	—	0.00000894	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-85/PCB-116/PCB-117	—	0.000188	—	—	2.07E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-86/87/97/109/119/125	—	0.000996	—	—	4.14E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.0000246	—	—	2.18E-05	ug/L	J	J	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.00182	—	—	2.07E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-92	—	0.000371	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-98/PCB-102	—	0.0000172	—	—	1.38E-05	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total PCB	—	0.000124	—	—	—	ug/L	—	—	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total PCB	—	0.0336	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total diCB	—	0.0000451	—	—	—	ug/L	—	—	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total diCB	—	0.0000707	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total heptaCB	—	0.00669	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total hexaCB	—	0.0000187	—	—	—	ug/L	—	—	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total hexaCB	—	0.013	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total pentaCB	—	0.0000394	—	—	—	ug/L	B	—	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total pentaCB	—	0.0101	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total tetraCB	—	0.0000207	—	—	—	ug/L	—	—	11-518	CASA-11-1336	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total tetraCB	—	0.00196	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total triCB	—	0.000248	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-103	—	0.0000146	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-107	—	0.000104	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA

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	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-120	—	0.0000074	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-130	—	0.000178	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-131	—	0.0000238	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-132	—	0.000938	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-133	—	0.0000436	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-134	—	0.000115	—	—	3.46E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-136	—	0.00034	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-137	—	0.000088	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-141	—	0.000564	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-144	—	0.000125	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-146	—	0.000452	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-154	—	0.0000348	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-158	—	0.000267	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-159	—	0.0000244	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-17	—	0.0000142	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-172	—	0.000136	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-174	—	0.000921	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-175	—	0.000029	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-176	—	0.000114	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-177	—	0.000528	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-178	—	0.000111	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-179	—	0.000373	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-190	—	0.000163	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-194	—	0.000351	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-196	—	0.000181	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-201	—	0.0000434	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-208	—	0.0000108	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-22	—	0.0000192	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-37	—	0.0000257	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-42	—	0.0000421	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-56	—	0.0000779	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-79	—	0.0000119	—	—	6.90E-06	ug/L	J	J	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-82	—	0.000152	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-83	—	0.000108	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-84	—	0.000343	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-88/91	—	0.000141	—	—	1.38E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-95	—	0.00127	—	—	6.90E-06	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-99	—	0.00063	—	—	3.46E-05	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total nonaCB	—	0.000076	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total octaCB	—	0.00135	—	—	—	ug/L	—	—	11-518	CASA-11-1334	CFA
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0016	1.00E-03	3.00E-02	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0194	2.27E-03	4.30E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00491	1.37E-03	3.50E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.76	3.67E-01	3.80E+00	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.0948	4.67E-01	4.60E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.53	3.67E-01	3.70E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.397	3.33E-01	3.20E+00	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.0936	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.389	3.67E-01	3.60E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.932	2.77E-01	2.90E+00	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.0165	1.27E-01	2.00E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.04	2.57E-01	2.60E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	10.3	5.33E-01	2.70E+00	—	pCi/L	—	—	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	13.8	6.00E-01	2.30E+00	—	pCi/L	—	—	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	14.9	6.33E-01	2.20E+00	—	pCi/L	—	—	09-2813	CASA-09-10309	GELC

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	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	29.7	7.67E+00	3.20E+01	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.7	2.67E+00	1.50E+01	—	pCi/L	—	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	20.3	5.00E+00	3.00E+01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.22	6.67E-01	6.70E+00	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.11	9.67E-01	9.30E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	11.6	3.03E+00	2.70E+01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.000402	1.10E-03	2.50E-02	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0	3.33E-03	3.00E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.0017	1.00E-03	2.70E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0121	3.00E-03	4.60E-02	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00673	1.67E-03	3.00E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00681	1.13E-03	3.30E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	13.9	4.67E+00	4.80E+01	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	7.94	6.33E+00	6.90E+01	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-4.77	4.67E+00	4.60E+01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.09	3.33E-01	3.00E+00	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.08	4.33E-01	3.60E+00	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.37	3.67E-01	3.20E+00	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0749	3.10E-02	3.30E-01	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.125	3.67E-02	4.90E-01	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.434	5.00E-02	4.60E-01	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.813	2.47E-02	5.50E-02	—	pCi/L	—	—	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.124	9.00E-03	1.60E-01	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.144	7.67E-03	9.20E-02	—	pCi/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0195	2.70E-03	3.60E-02	—	pCi/L	U	U	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00669	4.00E-03	7.40E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.00332	1.57E-03	5.20E-02	—	pCi/L	U	U	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.386	1.40E-02	3.60E-02	—	pCi/L	—	—	11-496	CASA-11-1334	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.0866	8.00E-03	9.50E-02	—	pCi/L	U	U	10-3646	CASA-10-22573	GELC
Sandia below Wetlands	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.118	6.67E-03	4.90E-02	—	pCi/L	—	—	09-2813	CASA-09-10309	GELC
Sandia below Wetlands	—	—	11/11/10	WS	UF	CS	FTB	VOA	SW-846:8260B	Toluene	—	0.3	—	—	2.50E-01	ug/L	J	J	11-496	CASA-11-1503	GELC
Sandia below Wetlands	—	—	07/12/10	WS	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3644	CASA-10-22573	GELC
Sandia below Wetlands	—	—	05/13/10	WS	UF	CS	—	VOA	SW-846:8260B	Toluene	<	1	—	—	2.50E-01	ug/L	U	U	10-3171	CASA-10-16688	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	155	—	—	7.30E-01	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	156	—	—	7.30E-01	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.102	—	—	1.60E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.044	—	—	1.60E-02	mg/L	J	J	11-446	CASA-11-1339	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	<	0.094	—	—	1.60E-02	mg/L	—	U	10-3090	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.059	—	—	1.60E-02	mg/L	—	J-	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.059	—	—	1.60E-02	mg/L	—	J-	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:300.0	Bromide	—	0.207	—	—	6.60E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	0.298	—	—	6.60E-02	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Calcium	—	35.6	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	37	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1339	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
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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Calcium	—	37.1	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	35.4	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1337	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

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	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:300.0	Chloride	—	101	—	—	6.60E-01	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	100	—	—	6.60E-01	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00228	—	—	1.70E-03	mg/L	J	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00247	—	—	1.70E-03	mg/L	J	J	11-446	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:300.0	Fluoride	—	0.3	—	—	3.30E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.287	—	—	3.30E-02	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	SM:A2340B	Hardness	—	129	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	134	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	SM:A2340B	Hardness	—	135	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	129	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	9.82	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	10.2	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Magnesium	—	10.3	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	9.82	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.57	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.605	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	SW-846:6850	Perchlorate	—	0.245	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.241	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Potassium	—	15.9	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Potassium	—	16.4	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	15.6	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1337	GELC
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	—	—	11/09/10	WS	F	CS	FD	Geninorg	SW-846:6010B	Sodium	—	92.7	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1341	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	95.6	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	SW-846:6010B	Sodium	—	95.4	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	90.9	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:120.1	Specific Conductance	—	708	—	—	1.00E+00	uS/cm	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	700	—	—	1.00E+00	uS/cm	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:300.0	Sulfate	—	19.9	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	19.9	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	2.30E+00	mg/L	J	J	11-446	CASA-11-1340	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:160.1	Total Dissolved Solids	—	480	—	—	2.40E+00	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	479	—	—	2.40E+00	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.679	—	—	3.30E-02	mg/L	—	J+	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.625	—	—	3.30E-02	mg/L	—	J+	11-445	CASA-11-1337	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	—	—	11/09/10	WS	UF	CS	FD	Geninorg	SW-846:9060	Total Organic Carbon	—	5.72	—	—	3.30E-01	mg/L	—	—	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	5.59	—	—	3.30E-01	mg/L	—	—	11-445	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.942	—	—	1.50E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.87	—	—	1.50E-02	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Geninorg	EPA:150.1	pH	—	8.27	—	—	1.00E-02	SU	H	J-	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.3	—	—	1.00E-02	SU	H	J-	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6020	Arsenic	—	2.69	—	—	1.50E+00	ug/L	J	J	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	3.13	—	—	1.50E+00	ug/L	J	J	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6020	Arsenic	—	2.28	—	—	1.50E+00	ug/L	J	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	3.13	—	—	1.50E+00	ug/L	J	J	11-446	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	<	5	—	—	1.50E+00	ug/L	U	U	10-3091	CASA-10-16680	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Barium	—	56.4	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1341	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	58.2	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Barium	—	59.3	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	56.9	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Boron	—	87.7	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	90.1	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Boron	—	90.3	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	86.6	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6020	Chromium	—	4.82	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	5.19	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6020	Chromium	—	4.97	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	5.1	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Copper	—	5.67	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	6.39	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Copper	—	7.12	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	6.59	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Iron	—	54	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	64	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1339	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	116	—	—	3.00E+01	ug/L	—	U	10-3091	CASA-10-16681	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	130	—	—	3.00E+01	ug/L	—	—	10-1538	CASA-10-9112	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	104	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Iron	—	71.1	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	68.2	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	<	135	—	—	3.00E+01	ug/L	—	U	10-3091	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	227	—	—	3.00E+01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	105	—	—	3.00E+01	ug/L	—	—	10-322	CASA-10-3558	GELC
Sandia right fork at Power Plant	—	—	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
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Manganese	—	14.5	—	—	2.00E+00	ug/L	—	—	11-446	CASA-11-1340	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6020	Molybdenum	—	5.12	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1341	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	5.2	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6020	Molybdenum	—	4.98	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	5.09	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6020	Nickel	—	1.19	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.23	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6020	Nickel	—	1.2	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.3	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Silicon Dioxide	—	106	—	—	5.30E-02	mg/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	106	—	—	2.70E-01	mg/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Strontium	—	176	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	182	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Strontium	—	183	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	174	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6020	Uranium	—	0.848	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	0.836	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1339	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
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6020	Uranium	—	0.853	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	0.84	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Vanadium	—	15.8	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	16.1	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1339	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	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Vanadium	—	16.2	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	15.7	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	F	CS	FD	Metals	SW-846:6010B	Zinc	—	38.8	—	—	3.30E+00	ug/L	—	—	11-446	CASA-11-1341	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Zinc	—	40	—	—	3.30E+00	ug/L	—	—	11-446	CASA-11-1339	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

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	—	Metals	SW-846:6010B	Zinc	—	32.4	—	—	3.30E+00	ug/L	—	—	10-322	CASA-10-3559	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Metals	SW-846:6010B	Zinc	—	43	—	—	3.30E+00	ug/L	—	—	11-446	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Zinc	—	43.9	—	—	3.30E+00	ug/L	—	—	11-446	CASA-11-1337	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	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-105	—	0.0000386	—	—	3.48E-05	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-110/PCB-115	—	0.000324	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-110/PCB-115	—	0.00028	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-118	—	0.000189	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-118	—	0.000161	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-128/PCB-166	—	0.0000684	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-128/PCB-166	—	0.0000599	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-129/PCB-138/PCB-163	—	0.000888	—	—	2.08E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-129/PCB-138/PCB-163	—	0.000706	—	—	2.08E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-135/PCB-151	—	0.000314	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-135/PCB-151	—	0.000236	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-147/PCB-149	—	0.000659	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-147/PCB-149	—	0.000496	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-15	—	0.00000872	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.0000162	—	—	1.36E-05	ug/L	J	J	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.00081	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.000621	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-156/PCB-157	—	0.0000636	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-156/PCB-157	—	0.0000468	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-164	—	0.0000618	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-164	—	0.0000499	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-167	—	0.0000234	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-167	—	0.0000173	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-170	—	0.000407	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-170	—	0.000283	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-171/PCB-173	—	0.000138	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-171/PCB-173	—	0.0000818	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-18/PCB-30	—	0.0000213	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-18/PCB-30	—	0.0000228	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-183/PCB-185	—	0.000313	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-187	—	0.00052	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-187	—	0.000344	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-189	—	0.0000074	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-191	—	0.0000146	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-191	—	0.00000703	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-195	—	0.0000407	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-195	—	0.0000425	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-198/PCB-199	—	0.000147	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-198/PCB-199	—	0.000112	—	—	1.39E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-20/PCB-28	—	0.0000173	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-20/PCB-28	—	0.000021	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-202	—	0.0000189	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-202	—	0.0000117	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-203	—	0.000083	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-203	—	0.0000631	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-206	—	0.0000285	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-206	—	0.0000126	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-31	—	0.0000144	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-31	—	0.0000166	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-49/PCB-69	—	0.0000256	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-49/PCB-69	—	0.0000251	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1337	CFA

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	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-52	—	0.000134	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-52	—	0.00013	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-60	—	0.00000723	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-61/PCB-70/PCB-74/PCB-76	—	0.0000956	—	—	2.77E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-61/PCB-70/PCB-74/PCB-76	—	0.0000959	—	—	2.77E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-64	—	0.000014	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-64	—	0.0000146	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-8	—	0.00000686	—	—	6.80E-06	ug/L	J	J	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-86/87/97/109/119/125	—	0.000161	—	—	4.17E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-86/87/97/109/119/125	—	0.000141	—	—	4.16E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.0000219	—	—	2.04E-05	ug/L	J	J	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.000364	—	—	2.08E-05	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.000309	—	—	2.08E-05	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-92	—	0.0000493	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-92	—	0.0000405	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total PCB	—	0.000115	—	—	—	ug/L	—	—	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total PCB	—	0.00885	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total PCB	—	0.00647	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total diCB	—	0.0000507	—	—	—	ug/L	—	—	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total diCB	—	0.0000539	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total diCB	—	0.0000659	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total heptaCB	—	0.00264	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total heptaCB	—	0.00148	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total hexaCB	—	0.0000162	—	—	—	ug/L	—	—	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total hexaCB	—	0.00368	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total hexaCB	—	0.00284	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total pentaCB	—	0.0000383	—	—	—	ug/L	—	—	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total pentaCB	—	0.00157	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total pentaCB	—	0.00129	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FB	PCB Cong	EPA:1668A	Total tetraCB	—	0.00000953	—	—	—	ug/L	—	—	11-442	CASA-11-1338	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total tetraCB	—	0.000314	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total tetraCB	—	0.000318	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total triCB	—	0.0000604	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total triCB	—	0.000076	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-107	—	0.00000854	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-130	—	0.0000272	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-130	—	0.0000223	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-132	—	0.000231	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-132	—	0.000179	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-136	—	0.0000947	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-136	—	0.0000742	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-137	—	0.00000721	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-141	—	0.000208	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-141	—	0.000167	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-144	—	0.0000408	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-144	—	0.0000313	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-146	—	0.000105	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-146	—	0.0000781	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-158	—	0.0000729	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-158	—	0.0000569	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-172	—	0.0000793	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-172	—	0.0000464	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-174	—	0.000533	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-174	—	0.000349	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-175	—	0.0000136	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-176	—	0.0000485	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA

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	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-176	—	0.0000284	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-177	—	0.000309	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-177	—	0.000191	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-178	—	0.0000122	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-179	—	0.000158	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-179	—	0.0000959	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-190	—	0.000081	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-190	—	0.0000575	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-194	—	0.000128	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-194	—	0.0000891	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-196	—	0.0000753	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-196	—	0.0000545	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-201	—	0.0000184	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-201	—	0.0000105	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-22	—	0.00000737	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-22	—	0.00000858	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-37	—	0.00000705	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-56	—	0.0000139	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-56	—	0.0000142	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-82	—	0.0000172	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-82	—	0.0000144	—	—	6.93E-06	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-83	—	0.0000078	—	—	6.94E-06	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-84	—	0.0000456	—	—	6.94E-06	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-84	—	0.0000413	—	—	6.93E-06	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-88/91	—	0.0000152	—	—	1.39E-05	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-95	—	0.000288	—	—	6.94E-06	ug/L	—	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-95	—	0.000247	—	—	6.93E-06	ug/L	—	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	PCB-99	—	0.000065	—	—	3.48E-05	ug/L	J	J	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-99	—	0.000054	—	—	3.47E-05	ug/L	J	J	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total nonaCB	—	0.0000285	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total nonaCB	—	0.0000126	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	PCB Cong	EPA:1668A	Total octaCB	—	0.000512	—	—	—	ug/L	—	—	11-442	CASA-11-1340	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total octaCB	—	0.000383	—	—	—	ug/L	—	—	11-442	CASA-11-1337	CFA
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	HASL-300	Americium-241	<	-0.00668	1.60E-03	3.00E-02	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00167	7.67E-04	2.90E-02	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.0213	2.17E-03	3.60E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00422	9.00E-04	3.00E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00171	2.49E-03	3.11E-02	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:901.1	Cesium-137	<	-0.398	4.67E-01	4.60E+00	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.45	5.67E-01	4.90E+00	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.482	5.33E-01	5.30E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.79	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.29	4.07E-01	3.84E+00	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:901.1	Cobalt-60	<	-0.125	5.00E-01	4.80E+00	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.29	6.67E-01	6.20E+00	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.697	4.67E-01	4.70E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.757	5.00E-01	4.30E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-0.822	4.47E-01	4.18E+00	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:900	Gross alpha	<	0.523	2.27E-01	2.70E+00	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.16	2.83E-01	2.80E+00	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.258	1.70E-01	2.20E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.39	2.07E-01	2.80E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:900	Gross alpha	—	5.32	4.23E-01	2.41E+00	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:900	Gross beta	—	12.2	6.00E-01	2.70E+00	—	pCi/L	—	—	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	10.9	5.67E-01	2.90E+00	—	pCi/L	—	—	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	12.8	5.67E-01	2.50E+00	—	pCi/L	—	—	10-3646	CASA-10-22569	GELC

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

Location	Port	Depth (ft)	Date	Field Matrix	Field Prep	Lab Sample Type	Field QC Type	Suite	Method	Analyte	Symbol	Result	1-sigma TPU	MDA	MDL	Units	Lab Qual	2nd Qual	Request	Sample	Lab
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	13	6.33E-01	2.90E+00	—	pCi/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:900	Gross beta	—	22.7	9.63E-01	3.55E+00	—	pCi/L	—	—	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	83.7	3.25E+01	2.48E+02	—	pCi/L	U	U	138450	GF05060P12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:901.1	Gross gamma	<	34	1.03E+01	5.10E+01	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.04	2.87E+00	1.40E+01	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	6.16	9.33E-01	1.50E+01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15.5	3.13E+00	2.60E+01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	67.5	1.83E+01	2.32E+02	—	pCi/L	U	U	138450	GU05060P12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:901.1	Neptunium-237	<	0.669	1.03E+00	1.10E+01	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.27	9.33E-01	9.00E+00	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-0.0897	1.03E+00	1.00E+01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	4.32	3.07E+00	2.80E+01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	1.29	2.47E+00	2.47E+01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	HASL-300	Plutonium-238	<	0.00566	1.90E-03	6.50E-02	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	5.46E-10	3.07E-03	5.30E-02	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00602	1.43E-03	4.00E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00337	1.13E-03	2.70E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00191	9.00E-04	3.50E-02	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	HASL-300	Plutonium-239/240	<	0	1.90E-03	1.20E-01	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00457	2.63E-03	9.50E-02	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.012	2.23E-03	4.10E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00337	8.00E-04	3.30E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00573	1.69E-03	4.11E-02	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:901.1	Potassium-40	<	14.9	8.00E+00	9.00E+01	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	4.27	7.00E+00	7.00E+01	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	57.8	8.67E+00	4.70E+01	—	pCi/L	UI	R	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	16.2	4.67E+00	5.20E+01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	14.8	9.03E+00	3.81E+01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:901.1	Sodium-22	<	-0.817	5.67E-01	5.30E+00	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.01	7.00E-01	6.20E+00	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-1.45	5.00E-01	4.40E+00	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.424	4.00E-01	3.70E+00	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	2.53	4.53E-01	4.89E+00	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	EPA:905.0	Strontium-90	<	0.117	4.67E-02	4.80E-01	—	pCi/L	U	U	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.251	4.33E-02	4.90E-01	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.175	4.33E-02	4.20E-01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.237	3.30E-02	3.00E-01	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.277	4.33E-02	4.12E-01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	HASL-300	Uranium-234	—	0.495	1.67E-02	5.30E-02	—	pCi/L	—	—	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.564	1.87E-02	5.50E-02	—	pCi/L	—	—	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	<	0.0979	8.00E-03	1.40E-01	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.177	8.33E-03	8.20E-02	—	pCi/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.774	4.33E-02	5.51E-01	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	HASL-300	Uranium-235/236	—	0.0402	4.33E-03	3.50E-02	—	pCi/L	—	—	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0195	3.33E-03	3.60E-02	—	pCi/L	U	U	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0	2.90E-03	6.80E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0148	2.97E-03	4.70E-02	—	pCi/L	U	U	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0957	1.44E-02	2.73E-01	—	pCi/L	U	U	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	Rad	HASL-300	Uranium-238	—	0.245	1.00E-02	3.50E-02	—	pCi/L	—	—	11-447	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.265	1.10E-02	3.60E-02	—	pCi/L	—	—	11-447	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	<	0.02	3.33E-03	8.80E-02	—	pCi/L	U	U	10-3646	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.0979	6.33E-03	4.30E-02	—	pCi/L	—	—	09-2813	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	01/28/08	WM	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.449	3.14E-02	3.24E-01	—	pCi/L	—	J	202111	GU080100M12101	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	SVOA	SW-846:8270C	Diethylphthalate	—	2.91	—	—	2.10E+00	ug/L	J	J	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	U	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	08/07/09	WS	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10	—	—	2.00E+00	ug/L	U	U	09-2812	CASA-09-10304	GELC
Sandia right fork at Power Plant	—	—	06/09/05	WS	UF	CS	—	SVOA	SW-846:8270C	Diethylphthalate	<	10.4	—	—	—	ug/L	U	—	138450	GU05060P12101	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	—	—	11/09/10	WS	UF	CS	FD	VOA	SW-846:8260B	Bromodichloromethane	—	7.99	—	—	2.50E-01	ug/L	—	—	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromodichloromethane	—	6.37	—	—	2.50E-01	ug/L	—	—	11-445	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromodichloromethane	—	3.96	—	—	2.50E-01	ug/L	—	—	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromodichloromethane	—	7.07	—	—	2.50E-01	ug/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromodichloromethane	—	5.33	—	—	2.50E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	VOA	SW-846:8260B	Bromoform	—	0.91	—	—	2.50E-01	ug/L	J	J	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromoform	—	0.7	—	—	2.50E-01	ug/L	J	J	11-445	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromoform	<	1	—	—	2.50E-01	ug/L	U	UJ	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromoform	<	1	—	—	2.50E-01	ug/L	U	U	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	VOA	SW-846:8260B	Bromoform	—	0.272	—	—	2.50E-01	ug/L	J	J	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	VOA	SW-846:8260B	Chlorodibromomethane	—	4.94	—	—	3.00E-01	ug/L	—	—	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	VOA	SW-846:8260B	Chlorodibromomethane	—	4.14	—	—	3.00E-01	ug/L	—	—	11-445	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	VOA	SW-846:8260B	Chlorodibromomethane	—	1.09	—	—	3.00E-01	ug/L	—	—	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	VOA	SW-846:8260B	Chlorodibromomethane	—	2.95	—	—	3.00E-01	ug/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	VOA	SW-846:8260B	Chlorodibromomethane	—	1.78	—	—	3.00E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	FD	VOA	SW-846:8260B	Chloroform	—	6.73	—	—	2.50E-01	ug/L	—	—	11-445	CASA-11-1340	GELC
Sandia right fork at Power Plant	—	—	11/09/10	WS	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	5.38	—	—	2.50E-01	ug/L	—	—	11-445	CASA-11-1337	GELC
Sandia right fork at Power Plant	—	—	07/12/10	WS	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	7.63	—	—	2.50E-01	ug/L	—	—	10-3644	CASA-10-22569	GELC
Sandia right fork at Power Plant	—	—	05/07/10	WS	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	7.45	—	—	2.50E-01	ug/L	—	—	10-3090	CASA-10-16680	GELC
Sandia right fork at Power Plant	—	—	02/01/10	WS	UF	CS	—	VOA	SW-846:8260B	Chloroform	—	6.04	—	—	2.50E-01	ug/L	—	—	10-1538	CASA-10-9111	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3	—	11.1	—	—	7.30E-01	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	166	—	—	7.30E-01	mg/L	—	—	11-446	CASA-11-1343	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
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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.119	—	—	1.60E-02	mg/L	—	—	11-446	CASA-11-1343	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Geninorg	EPA:310.1	Alkalinity-CO3+HCO3	—	141	—	—	7.30E-01	mg/L	—	—	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:350.1	Ammonia as Nitrogen	—	0.119	—	—	1.60E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Bromide	—	2.12	—	—	6.60E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Calcium	—	47.6	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Calcium	—	48.6	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Chloride	—	18.1	—	—	6.60E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00244	—	—	1.70E-03	mg/L	J	J	11-446	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-3090	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	—	0.00207	—	—	1.70E-03	mg/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:335.4	Cyanide (Total)	<	0.005	—	—	1.70E-03	mg/L	U	U	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Fluoride	—	0.487	—	—	3.30E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SM:A2340B	Hardness	—	174	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1343	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	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SM:A2340B	Hardness	—	178	—	—	3.50E-01	mg/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.5	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Magnesium	—	13.8	—	—	8.50E-02	mg/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:353.2	Nitrate-Nitrite as Nitrogen	—	0.735	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6850	Perchlorate	—	0.834	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Potassium	—	18.7	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1343	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
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Potassium	—	19.1	—	—	5.00E-02	mg/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Geninorg	SW-846:6010B	Sodium	—	76.7	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:6010B	Sodium	—	78.9	—	—	1.00E-01	mg/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:120.1	Specific Conductance	—	675	—	—	1.00E+00	uS/cm	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:300.0	Sulfate	—	123	—	—	1.00E+00	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	5.2	—	—	2.30E+00	mg/L	J	J	11-446	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	<	10	—	—	2.30E+00	mg/L	U	U	10-3090	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	2.4	—	—	1.10E+00	mg/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	5.4	—	—	1.10E+00	mg/L	—	—	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Geninorg	EPA:160.2	Suspended Sediment Concentration	—	3.8	—	—	1.10E+00	mg/L	J	J	09-2872	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:160.1	Total Dissolved Solids	—	578	—	—	2.40E+00	mg/L	—	—	11-446	CASA-11-1343	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

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	—	—	11/09/10	WS	UF	CS	—	Geninorg	EPA:351.2	Total Kjeldahl Nitrogen	—	0.925	—	—	3.30E-02	mg/L	—	J+	11-445	CASA-11-1342	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	—	—	11/09/10	WS	UF	CS	—	Geninorg	SW-846:9060	Total Organic Carbon	—	11.5	—	—	3.30E-01	mg/L	—	—	11-445	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:365.4	Total Phosphate as Phosphorus	—	0.672	—	—	1.50E-02	mg/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Geninorg	EPA:150.1	pH	—	8.47	—	—	1.00E-02	SU	H	J-	11-446	CASA-11-1343	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Antimony	—	0.645	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Antimony	—	0.643	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Arsenic	—	5.58	—	—	1.50E+00	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Arsenic	—	6.09	—	—	1.50E+00	ug/L	—	—	11-446	CASA-11-1342	GELC
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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Barium	—	103	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Barium	—	105	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Boron	—	99	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Boron	—	100	—	—	1.50E+01	ug/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Chromium	—	7.46	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Chromium	—	7.75	—	—	2.50E+00	ug/L	J	J	11-446	CASA-11-1342	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

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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Copper	—	6.48	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Copper	—	7.44	—	—	3.00E+00	ug/L	J	J	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	46.8	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1343	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	<	72.9	—	—	3.00E+01	ug/L	J	U	10-3091	CASA-10-16685	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	32.7	—	—	3.00E+01	ug/L	J	J	10-1538	CASA-10-9405	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	F	CS	—	Metals	SW-846:6010B	Iron	—	47.2	—	—	3.00E+01	ug/L	J	J	10-322	CASA-10-3561	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	78.4	—	—	3.00E+01	ug/L	J	J	11-446	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	05/07/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	<	64.4	—	—	3.00E+01	ug/L	J	U	10-3091	CASA-10-16683	GELC
South Fork of Sandia Canyon at E122	—	—	02/01/10	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	95.5	—	—	3.00E+01	ug/L	J	J	10-1538	CASA-10-9406	GELC
South Fork of Sandia Canyon at E122	—	—	11/02/09	WS	UF	CS	—	Metals	SW-846:6010B	Iron	—	56.1	—	—	3.00E+01	ug/L	J	J	10-322	CASA-10-3562	GELC
South Fork of Sandia Canyon at E122	—	—	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Lead	—	0.95	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1342	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	—	—	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Manganese	—	19.6	—	—	2.00E+00	ug/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Molybdenum	—	4.32	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1343	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
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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Molybdenum	—	4.22	—	—	1.00E-01	ug/L	—	J	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Nickel	—	1.1	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Nickel	—	1.23	—	—	5.00E-01	ug/L	J	J	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Selenium	—	2.05	—	—	1.00E+00	ug/L	J	J	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Selenium	—	2.09	—	—	1.00E+00	ug/L	J	J	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Silicon Dioxide	—	170	—	—	2.70E-01	mg/L	—	—	11-446	CASA-11-1343	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

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-846:6010B	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Strontium	—	245	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Strontium	—	251	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6020	Uranium	—	1.7	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6020	Uranium	—	1.77	—	—	5.00E-02	ug/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	F	CS	—	Metals	SW-846:6010B	Vanadium	—	30.3	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1343	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	—	—	11/09/10	WS	UF	CS	—	Metals	SW-846:6010B	Vanadium	—	30.9	—	—	1.00E+00	ug/L	—	—	11-446	CASA-11-1342	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	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-105	—	0.0000379	—	—	3.45E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-11	—	0.0000452	—	—	3.45E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-110/PCB-115	—	0.000205	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-118	—	0.000124	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-128/PCB-166	—	0.0000391	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-129/PCB-138/PCB-163	—	0.000303	—	—	2.07E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-135/PCB-151	—	0.0000864	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-147/PCB-149	—	0.000191	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-153/PCB-168	—	0.000241	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-156/PCB-157	—	0.0000275	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-164	—	0.0000201	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-167	—	0.00000924	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-170	—	0.000138	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-171/PCB-173	—	0.000034	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-183/PCB-185	—	0.0000722	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-187	—	0.000122	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-195	—	0.0000225	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-198/PCB-199	—	0.0000801	—	—	1.38E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-20/PCB-28	—	0.0000146	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-203	—	0.0000444	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-206	—	0.0000342	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-31	—	0.000007	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-49/PCB-69	—	0.000022	—	—	1.38E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-52	—	0.000063	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-60	—	0.0000106	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-61/PCB-70/PCB-74/PCB-76	—	0.0000852	—	—	2.75E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-64	—	0.0000164	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-66	—	0.0000512	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-77	—	0.0000108	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA

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	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-86/87/97/109/119/125	—	0.0001	—	—	4.13E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-90/PCB-101/PCB-113	—	0.000162	—	—	2.07E-05	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-92	—	0.0000217	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total PCB	—	0.00339	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total diCB	—	0.0000452	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total heptaCB	—	0.000662	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total hexaCB	—	0.00117	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total pentaCB	—	0.000864	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total tetraCB	—	0.000285	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total triCB	—	0.000037	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-130	—	0.0000136	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-132	—	0.0000837	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-136	—	0.0000301	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-141	—	0.000049	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-144	—	0.0000108	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-146	—	0.0000342	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-158	—	0.0000257	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-172	—	0.0000224	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-174	—	0.000126	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-176	—	0.00000897	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-177	—	0.0000746	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-179	—	0.0000363	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-190	—	0.0000268	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-194	—	0.000114	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-196	—	0.0000406	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-22	—	0.00000694	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-37	—	0.00000847	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-56	—	0.0000254	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-82	—	0.0000149	—	—	6.88E-06	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-84	—	0.0000255	—	—	6.88E-06	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-95	—	0.000125	—	—	6.88E-06	ug/L	—	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	PCB-99	—	0.0000479	—	—	3.45E-05	ug/L	J	J	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total nonaCB	—	0.0000342	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	PCB Cong	EPA:1668A	Total octaCB	—	0.000301	—	—	—	ug/L	—	—	11-442	CASA-11-1342	CFA
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Americium-241	<	-0.0086	1.60E-03	2.80E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.00592	1.73E-03	4.70E-02	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	0.00546	1.57E-03	4.20E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.000894	1.53E-03	3.40E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Americium-241	<	-0.0154	4.33E-03	3.20E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.159	4.00E-01	4.00E+00	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-1.68	5.33E-01	4.70E+00	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.78	5.33E-01	5.60E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	-0.731	4.00E-01	3.80E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Cesium-137	<	1.81	7.67E-01	8.10E+00	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.2	5.00E-01	4.10E+00	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.32	4.33E-01	3.60E+00	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-1.12	3.67E-01	3.10E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	0.168	4.33E-01	4.40E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Cobalt-60	<	-3.31	9.33E-01	7.70E+00	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	F	CS	—	Rad	EPA:900	Gross alpha	<	1.29	2.86E-01	2.84E+00	—	pCi/L	U	U	192146	GF070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	1.27	2.70E-01	2.50E+00	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.522	1.93E-01	2.20E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	-0.961	1.53E-01	2.90E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	UF	CS	—	Rad	EPA:900	Gross alpha	<	0.919	1.97E-01	1.93E+00	—	pCi/L	U	U	192146	GU070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	F	CS	—	Rad	EPA:900	Gross beta	—	21.8	1.20E+00	7.24E+00	—	pCi/L	—	—	192146	GF070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	17.5	7.33E-01	2.60E+00	—	pCi/L	—	—	11-447	CASA-11-1342	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	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	16.2	6.67E-01	2.30E+00	—	pCi/L	—	—	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	22.5	8.67E-01	3.00E+00	—	pCi/L	—	—	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/21/07	WS	UF	CS	—	Rad	EPA:900	Gross beta	—	20.4	8.57E-01	3.72E+00	—	pCi/L	—	—	192146	GU070800PSFS01	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Gross gamma	<	34.1	2.30E+01	4.90E+01	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	18	2.77E+00	1.20E+01	—	pCi/L	—	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	7.57	9.33E-01	1.40E+01	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	9.61	2.67E+00	2.10E+01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Gross gamma	<	15	5.33E+00	3.10E+01	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Neptunium-237	<	-8.04	3.20E+00	3.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-2.44	1.00E+00	9.50E+00	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-3.79	9.67E-01	8.80E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	8.64	3.33E+00	3.50E+01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Neptunium-237	<	-33.4	6.00E+00	5.00E+01	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Plutonium-238	<	0.00398	1.63E-03	2.80E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00562	4.33E-03	3.20E-02	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	-0.00465	4.00E-03	4.10E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00404	9.67E-04	3.20E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-238	<	0.00866	4.33E-03	3.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.0179	2.77E-03	3.40E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00561	1.87E-03	5.80E-02	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00929	6.67E-03	6.80E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	0.00605	1.17E-03	4.00E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Plutonium-239/240	<	-0.00216	1.90E-03	3.70E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Potassium-40	<	36.5	6.33E+00	3.50E+01	—	pCi/L	UI	R	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	10.4	7.33E+00	7.80E+01	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	71	9.00E+00	4.70E+01	—	pCi/L	UI	R	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	1.67	5.67E+00	5.40E+01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Potassium-40	<	-27.5	1.27E+01	1.20E+02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.293	4.00E-01	3.80E+00	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.999	5.67E-01	5.30E+00	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-0.64	4.67E-01	4.20E+00	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	0.259	4.33E-01	4.30E+00	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:901.1	Sodium-22	<	-2.6	8.33E-01	7.30E+00	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.0686	4.00E-02	5.00E-01	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.0279	4.33E-02	4.90E-01	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	0.398	5.33E-02	4.80E-01	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.102	3.67E-02	4.40E-01	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	EPA:905.0	Strontium-90	<	-0.175	3.67E-02	4.90E-01	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-234	—	0.402	1.63E-02	1.40E-01	—	pCi/L	—	—	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	1.07	3.33E-02	7.40E-02	—	pCi/L	—	—	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.368	1.63E-02	1.40E-01	—	pCi/L	—	—	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.346	1.63E-02	1.10E-01	—	pCi/L	—	—	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-234	—	0.442	1.67E-02	1.40E-01	—	pCi/L	—	—	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-235/236	<	0.00503	1.67E-03	8.00E-02	—	pCi/L	U	U	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0174	2.93E-03	4.90E-02	—	pCi/L	U	U	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.029	4.33E-03	6.40E-02	—	pCi/L	U	U	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	-0.0282	7.00E-03	6.30E-02	—	pCi/L	U	U	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-235/236	<	0.0242	5.33E-03	7.70E-02	—	pCi/L	U	U	08-1645	CASA-08-14325	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	F	CS	—	Rad	HASL-300	Uranium-238	—	0.244	1.23E-02	7.30E-02	—	pCi/L	—	—	08-1645	CASA-08-14255	GELC
South Fork of Sandia Canyon at E122	—	—	11/09/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.535	1.97E-02	4.90E-02	—	pCi/L	—	—	11-447	CASA-11-1342	GELC
South Fork of Sandia Canyon at E122	—	—	07/12/10	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.183	1.07E-02	8.20E-02	—	pCi/L	—	—	10-3646	CASA-10-22572	GELC
South Fork of Sandia Canyon at E122	—	—	08/13/09	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.163	1.33E-02	5.90E-02	—	pCi/L	—	—	09-2873	CASA-09-10313	GELC
South Fork of Sandia Canyon at E122	—	—	08/11/08	WS	UF	CS	—	Rad	HASL-300	Uranium-238	—	0.274	1.33E-02	7.00E-02	—	pCi/L	—	—	08-1645	CASA-08-14325	GELC

Appendix D

Analytical Chemistry Screening Results

The following pages provide lists of (1) acronyms, abbreviations, symbols, and various analytical codes, (2) analytical laboratory qualifier codes, and (3) secondary validation flag codes that may be used in Appendix D. Please note that these are comprehensive lists, and this periodic monitoring report may not include all of the acronyms, abbreviations, symbols, and codes in the lists.

The following pages also include secondary validation reason codes. Because there are over 400 secondary validation reason codes, this list is not comprehensive and includes only those codes used in this particular periodic monitoring report.

The secondary data validation summary is provided in Appendix F.

Acronyms and Abbreviations

Acronym, Abbreviation, or Symbol	Description
Miscellaneous	
%	percent
%R	percent recovery
<	Based on qualifiers, the result was a nondetection.
–	none
CB	chlorobiphenyl
CCV	continuing calibration verification
CLP	Control Laboratory Program
CRDL	contract-required detection limit
DCG	Derived Concentration Guide (DOE)
DNX	dinitroso-RDX (or hexahydro 1,3-nitro-1,3,5-triazine)
DOE	Department of Energy (U.S.)
EPA	Environmental Protection Agency (U.S.)
GC	gas chromatography
GFAA	graphite furnace atomic absorption
GFPC	gas-flow proportional counter
GW	groundwater
HMX	1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	high-pressure liquid chromatography
ICPAES	inductively coupled plasma atomic (optical) emission spectroscopy
ICV	initial calibration verification
IDL	instrument detection limit
LAL	lower acceptance limit
LCS	laboratory control sample
LLEE	low-level electrolytic extraction
Lvl	level
MCL	maximum contaminant level (EPA)
MDA	minimum detectable activity
MDC	minimum detectable concentration
MDL	method detection limit

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Miscellaneous (continued)	
MNX	mononitrosodimethylamine
MS	matrix spike
MSD	matrix spike duplicate
NM	NMWQCC
NMWQCC	New Mexico Water Quality Control Commission
PCB	polychlorinated biphenyl
PQL	practical quantitation limit
Prelim	preliminary
QC	quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
Scr	screening
SSC	suspended sediment concentration
SU	standard unit
TDS	total dissolved solids
TNX	trinitroso-RDX
TPU	total propagated uncertainty
UAL	upper acceptance limit
Field Matrix Codes	
WG	groundwater
WM	snowmelt
WP	persistent flow
WS	base flow
WT	storm runoff
Field Prep Codes	
F	filtered
UF	unfiltered
Field QC Type Codes	
EQB	equipment rinsate blank
FB	field blank
FD	field duplicate
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.

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Field QC Type Codes (continued)	
ITB	Trip blank taken during installation and not associated with a sampling event.
NA	not applicable
PEB	performance evaluation blank
PEK	performance evaluation known
RES	resample
SS	special sampling event, data unique
SS-EQB	equipment blank of special sampling event, data unique
SS-FB	field blank of special sampling event, data unique
SS-FD	field duplicate of special sampling event, data unique
SS-FTB	field trip blank of special sampling event, data unique
Analytical Suite Codes	
ANION	anions
DIOX/FUR, Diox/Fur	dioxins and furans
DRO	diesel range organics
GAMMA, GAMMA_SPEC	gamma spectroscopy
Geninorg, GENINORG	general inorganics
GRO	gasoline range organics
GROSSA	gross alpha
GROSSB	gross beta
HERB	herbicides
HEXP	high explosives
INORGANIC	inorganics
ISOTOPE, Isotope	isotope ratios
METALS, Metals	metals
PCB	polychlorinated biphenyls
PCB_CONG, PCB Cong	PCB congeners
PEST	pesticides
PEST/PCB, PESTPCB	pesticides and PCBs
RAD, Rad	radiochemistry (not gamma)
SVOA	semivolatile organics
SVOC	semivolatile organic compounds
VOA	volatile organics
VOC	volatile organic compounds
Lab Sample Type Codes	
CS	client sample
DL	dilution
DUP	duplicate
RE	reanalysis

Acronyms and Abbreviations (continued)

Acronym , Abbreviation, or Symbol	Description
Lab Sample Type Codes (continued)	
REDL	reanalysis dilution
REDP	reanalysis duplicate
RI	reissue
TRP	triplicate
Lab Codes	
ALTC	Alta Analytical Laboratory, Inc., San Diego, CA
ARSL	American Radiation Services—Primary
CFA	Cape Fear Analytical, LLC, Wilmington, NC
C-INC	Isotope and Nuclear Chemistry Division (LANL)
COAST	Coastal Science Laboratories, Austin, TX
CST	Chemical Sciences and Technology Division (LANL)
EES6	Hydrology, Geochemistry, and Geology Group (LANL)
ESE	Environmental Sciences & Engineering, Inc., Gainesville, FL
FLD	measurement taken in field
GEL	General Engineering Laboratories, Inc.
GELC	General Engineering Laboratories, Inc., Charleston, SC
GEO	Geochron Laboratories, Boston, MA
HENV	Health and Environmental Laboratory (Johnson Controls, Northern New Mexico)
HUFFMAN	Huffman Laboratories, Inc., Golden, CO
KA	KEMRON Environmental Services, Inc., Vienna, VA
LVLI	Lionville Laboratory, Inc., Philadelphia, PA
PARA	Paragon Analytics, Inc., Salt Lake City, UT
PEC	Pacific Ecorisk Laboratories, Fairfield, CA
QESL	Quanterra Environmental Services, St. Louis, MO
QST	QST Environmental, Newberry, FL
RECRAP	RECRA Labnet, Lionville, PA
RFWC	Roy F. Weston, Inc., West Chester, PA
SGSW	Paradigm Analytical Laboratories, Inc., Wilmington, NC
SILENS	Stable Isotope Laboratory, Woods Hole, MA
STL2, STR	Severn Trent Laboratories, Inc., Richland, WA (historical)
STLA	Severn Trent Laboratories, Inc., Los Angeles, CA
STSL	Severn Trent Laboratories, Inc., St. Louis, MO
SwRI	Southwest Research Institute, San Antonio, TX
UAZ	University of Arizona, Tucson
UIL	University of Illinois, Urbana-Champaign
UMTL	University of Miami Tritium Lab

Analytical Laboratory Qualifier Codes

Code	Description
*	(Inorganic)—Duplicate analysis (relative percent difference) not within control limits.
B	(Organic) —Analyte was 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	See B code, see J code, and see P code.
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 gas chromatography (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.
D	The result for this analyte was reported from a dilution.
DJ	See D code and see J code.
DNA	Did not analyze because equipment was broken.
E	(Organic) Analyte exceeded the concentration range. (Inorganic) The serial dilution was exceeded.
E*	See E code and see * code.
EJ	See E code and see J code.
EJ*	See E code, see J code, and see * code.
EJN	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (inductively coupled plasma atomic [optical] emission spectroscopy [ICPAES])—The result for this analyte in the serial dilution analysis was outside acceptance criteria. (E) (Inorganic) (graphite furnace atomic absorption [GFAA])—The result for this analyte failed one or more Control Laboratory Program (CLP) acceptance criteria as explained in the case narrative. (J) (Organic/General Inorganics)—The result for this analyte was greater than the method detection limit (MDL) but less than the practical quantitation limit (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.
EN*	(E) (Organic)—The result for this analyte exceeded the upper range of the instrument initial calibration curve. (E) (Inorganic) (ICPAES)—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.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
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 (LCS) analysis was outside acceptance criteria.
HJ	See H code and see J code.
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 from most analytical methods, where a blank is run with 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*	See J code and see * code.
JB	See J code and see B code
JN	See J code and see N code.
JN*	See J code, see N code, and see * code.
JP	See J code and see P code.
N	(Inorganic)—Spiked sample recovery was not within control limits.
N*	See N code and see * code.
N*E	See N code, see * code, and see E code.
NE	See N code and see E code.
P	Percent difference between the results on the two columns during the analysis differed by more than 40%.
PJ	See P code and see J code.
U	The material was analyzed for but was not detected above the level of the associated numeric value.
U*	See U code and see * code.
UD	See U code and see D code.
UE	See U code and see E code.
UE*	See U code, see E code, and see * code.
UEN	See U code, see E code, and see N code.

Analytical Laboratory Qualifier Codes (continued)

Code	Description
UH	See U code and see H code.
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	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification.
UN	EPA flag (Inorganic)—Compound was analyzed for but was not detected. Spiked sample recovery was not within control limits.
UN*	EPA flag (Inorganic)—See U code, see N code, and see * code.
UUI	(Rad) Gamma spectroscopy result should be regarded as an uncertain identification, and the analytical lab assigned these gamma spectroscopy results as not detected.
X	The analytical laboratory suspects the result is a nondetect despite positive quantification results.

Secondary Validation Flag Codes

Code	Description
A	The contractually required supporting documentation for this datum is absent.
I	The calculated sums are considered incomplete because of the lack of one or more congener results.
J	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual.
J-	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
J+	The analyte is classified as detected, but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
JN-	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected negative bias.
JN+	Presumptive evidence of the presence of the material is at an estimated quantity with a suspected positive bias.
N	There is presumptive evidence of the presence of the material.
NJ	(Organic) Analyte has been tentatively identified, and the associated numerical value is estimated based upon a 1:1 response factor to the nearest eluting internal standard.
NQ	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PM	Manual review of raw data is recommended to determine if the observed noncompliances with quality acceptance criteria adversely impact data use.

Secondary Validation Flag Codes (continued)

Code	Description
R	The reported sample result is classified as rejected because of serious noncompliances regarding quality control (QC) acceptance criteria. The presence or absence of the analyte cannot be verified based on routine validation alone.
U	The analyte is classified as not detected.
UJ	The analyte is classified as not detected, with an expectation that the reported result is more uncertain than usual.

Secondary Validation Reason Codes

Code	Description
CB4a	The affected analytes are considered estimated and biased high because this analyte was identified in the method blank but was greater than 5 times.
J_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.
PE12e	The matrix spike/matrix spike duplicate percent recovery was >10% but <75%. Qualify all detects as J and all nondetects as UJ.
R5	The results for the affected analytes are considered not detected (U) because the associated sample concentration was less than or equal to the minimum detectable concentration.
U_LAB	Qualification of data via data validation did not occur based on QC requirements in this procedure. Adhere to the external laboratory qualifiers found within the Form I analytical data summary sheets generated by the external laboratory.

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-33	MULTI	995.5	05/12/10	H-3	UF	CS	—*	<	–0.77	0.54	1.78808	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-33	MULTI	1112.4	05/12/10	H-3	UF	CS	—	<	–0.51	0.54	1.85194	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-42	SINGLE	931.8	05/13/10	H-3	UF	CS	—	<	148.43	80.14	261.6487	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-45	MULTI	880	05/13/10	H-3	UF	CS	—	<	1.21	0.54	1.69229	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-45	MULTI	974.9	05/14/10	H-3	UF	CS	—	<	0.57	0.61	2.01159	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-50	MULTI	1077	07/02/10	H-3	UF	CS	—	—	8.24	1.44	2.07545	—	pCi/L	Generic:Low_Level_Tritium	ARSL	—	—	—
Regional	R-50	MULTI	1185	07/02/10	H-3	UF	CS	—	<	–3.16	0.83	2.42668	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-34	SINGLE	883.7	05/06/10	H-3	UF	CS	—	<	–1.40	0.57	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16r	SINGLE	600	05/07/10	H-3	UF	CS	—	<	1.69	0.64	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	863.4	07/12/10	H-3	UF	CS	—	<	–3.99	0.83	2.17124	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	1237	05/07/10	H-3	UF	CS	—	<	–0.83	0.64	2.10738	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5
Regional	R-16	MULTI	1237	07/12/10	H-3	UF	CS	—	<	–3.45	0.73	1.9158	—	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

* — None.

Table D-2
Previously Unreported Mortandad Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-34	SINGLE	884	07/09/10	—*	F	CS	ClO4	SW-846:6850	—	0.351	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-3
Previously Unreported Mortandad Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Regional	R-42	SINGLE	931.8	07/13/10	Cr	F	RE	—*	—	1060	50	µg/L	GELC	—	—	—	SW-846:6020	100	10.6	50	21.2
Regional	R-28	SINGLE	934.3	07/14/10	Cr	F	RE	—	—	472	25	µg/L	GELC	—	—	—	SW-846:6020	100	4.72	50	9.44

* — None.

Table D-4
Previously Unreported Sandia Surface-Water Tritium

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	Uncertainty	MDA	MDL	Unit	Analytical Method Code	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code
WS	Sandia below Wetlands	07/12/10	H-3	UF	CS	PEB	<	–5.33	1.05	2.5544	—*	pCi/L	Generic:Low_Level_Tritium	ARSL	U	U	R5

* — None.

Table D-5
Previously Unreported Sandia Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Regional	R-10	MULTI	874	07/08/10	—*	F	CS	ClO4	SW-846:6850	—	0.498	0.05	µg/L	1	—	—	—	GELC
Regional	R-10	MULTI	1042	07/08/10	—	F	CS	ClO4	SW-846:6850	—	0.482	0.05	µg/L	1	—	—	—	GELC
Regional	R-10a	SINGLE	690	07/08/10	—	F	CS	ClO4	SW-846:6850	—	0.8	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-6
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-5	SINGLE	689	11/15/10	H-3	UF	CS	—*	—	3290	340	150	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.04	20000	0.16
Intermediate	MCOI-6	SINGLE	686	11/10/10	H-3	UF	CS	FD	—	5040	510	200	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.06	20000	0.25
Intermediate	MCOI-6	SINGLE	686	11/10/10	H-3	UF	CS	—	—	5240	530	200	pCi/L	GELC	EPA:906.0	—	—	—	2000000	—	80000	0.07	20000	0.26

* — None.

Table D-7
Mortandad Groundwater Inorganic Chemistry

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)	Consent Order Screening Level	Ratio (Result/Screening Level)
ClO4	Alluvial	MCO-6	SINGLE	27	11/16/10	F	—*	CS	—	5.53	—	0.5	µg/L	GELC	—	—	—	—	—	—	—	4	1.38
ClO4	Alluvial	MCO-7	SINGLE	39	11/16/10	F	—	CS	—	7.82	—	0.5	µg/L	GELC	—	—	—	15	0.52	—	—	4	1.96
ClO4	Intermediate	MCOI-5	SINGLE	689	11/15/10	F	—	CS	—	99.2	—	10	µg/L	GELC	—	—	—	15	6.61	—	—	4	24.8
ClO4	Intermediate	MCOI-6	SINGLE	686	11/10/10	F	FD	CS	—	75.8	—	10	µg/L	GELC	—	—	—	15	5.05	—	—	4	18.95
ClO4	Intermediate	MCOI-6	SINGLE	686	11/10/10	F	—	CS	—	75.7	—	10	µg/L	GELC	—	—	—	15	5.05	—	—	4	18.93
ClO4	Regional	R-15	SINGLE	958.6	11/09/10	F	—	CS	—	8.06	—	1	µg/L	GELC	—	—	—	15	0.54	—	—	4	2.02
F(-1)	Alluvial	MCO-6	SINGLE	27	11/16/10	F	—	CS	—	0.847	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.53	—	—
F(-1)	Alluvial	MCO-7	SINGLE	39	11/16/10	F	—	CS	—	0.967	—	0.033	mg/L	GELC	—	—	—	—	—	1.6	0.6	—	—
NO3+NO2-N	Intermediate	MCOI-5	SINGLE	689	11/15/10	F	—	CS	—	5.2	—	0.25	mg/L	GELC	—	—	—	10	0.52	10	0.52	—	—
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	11/10/10	F	FD	CS	—	10	—	0.5	mg/L	GELC	—	—	—	10	1	10	1	—	—
NO3+NO2-N	Intermediate	MCOI-6	SINGLE	686	11/10/10	F	—	CS	—	9.95	—	0.5	mg/L	GELC	—	—	—	10	1	10	1	—	—
NO3+NO2-N	Regional	R-42	SINGLE	931.8	11/10/10	F	—	CS	—	6	—	0.25	mg/L	GELC	—	—	—	10	0.6	10	0.6	—	—

* — None.

Table D-8
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	11/17/10	—*	F	CS	ClO4	SW-846:6850	—	0.598	0.05	µg/L	1	—	—	—	GELC
Alluvial	MCO-6	SINGLE	27	11/16/10	—	F	CS	ClO4	SW-846:6850	—	5.53	0.5	µg/L	10	—	—	—	GELC
Alluvial	MCO-7	SINGLE	39	11/16/10	—	F	CS	ClO4	SW-846:6850	—	7.82	0.5	µg/L	10	—	—	—	GELC
Intermediate	MCOI-5	SINGLE	689	11/15/10	—	F	CS	ClO4	SW-846:6850	—	99.2	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	11/10/10	—	F	CS	ClO4	SW-846:6850	—	75.7	10	µg/L	200	—	—	—	GELC
Intermediate	MCOI-6	SINGLE	686	11/10/10	FD	F	CS	ClO4	SW-846:6850	—	75.8	10	µg/L	200	—	—	—	GELC
Regional	R-46	SINGLE	1340	11/12/10	—	F	CS	ClO4	SW-846:6850	—	0.297	0.05	µg/L	1	—	—	—	GELC
Regional	R-14	SINGLE	1201	11/12/10	—	F	CS	ClO4	SW-846:6850	—	0.309	0.05	µg/L	1	—	—	—	GELC
Regional	R-1	SINGLE	1031	11/12/10	—	F	CS	ClO4	SW-846:6850	—	0.34	0.05	µg/L	1	—	J	PE12e	GELC
Regional	R-33	MULTI	996	11/18/10	—	F	CS	ClO4	SW-846:6850	—	0.411	0.05	µg/L	1	—	—	—	GELC
Regional	R-33	MULTI	1112	11/18/10	—	F	CS	ClO4	SW-846:6850	—	0.398	0.05	µg/L	1	—	—	—	GELC
Regional	R-15	SINGLE	959	11/09/10	—	F	CS	ClO4	SW-846:6850	—	8.06	1	µg/L	20	—	—	—	GELC
Regional	R-42	SINGLE	932	11/10/10	—	F	CS	ClO4	SW-846:6850	—	1.46	0.1	µg/L	2	—	—	—	GELC
Regional	R-28	SINGLE	934	11/10/10	—	F	CS	ClO4	SW-846:6850	—	1.12	0.1	µg/L	2	—	—	—	GELC
Regional	R-45	MULTI	880	11/19/10	—	F	CS	ClO4	SW-846:6850	—	0.498	0.05	µg/L	1	—	—	—	GELC
Regional	R-45	MULTI	975	11/19/10	—	F	CS	ClO4	SW-846:6850	—	0.35	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1077	11/16/10	—	F	CS	ClO4	SW-846:6850	—	0.53	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1185	11/16/10	—	F	CS	ClO4	SW-846:6850	—	0.331	0.05	µg/L	1	—	—	—	GELC
Regional	R-50	MULTI	1185	11/16/10	FD	F	CS	ClO4	SW-846:6850	—	0.336	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	895	11/18/10	—	F	CS	ClO4	SW-846:6850	—	0.444	0.05	µg/L	1	—	—	—	GELC
Regional	R-44	MULTI	985	11/18/10	—	F	CS	ClO4	SW-846:6850	—	0.363	0.05	µg/L	1	—	—	—	GELC
Regional	R-13	SINGLE	958	11/09/10	—	F	CS	ClO4	SW-846:6850	—	0.412	0.05	µg/L	1	—	—	—	GELC
Regional	R-16r	SINGLE	600	11/11/10	—	F	CS	ClO4	SW-846:6850	—	0.418	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	863	11/17/10	—	F	CS	ClO4	SW-846:6850	—	0.414	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	1237	11/17/10	—	F	CS	ClO4	SW-846:6850	—	0.403	0.05	µg/L	1	—	—	—	GELC
Regional	R-16	MULTI	1237	11/17/10	FD	F	CS	ClO4	SW-846:6850	—	0.402	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-9
Mortandad Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	MCOI-6	SINGLE	686	11/10/10	Cr	F	CS	FD	—*	62.3	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.62	50	1.25
Intermediate	MCOI-6	SINGLE	686	11/10/10	Cr	F	CS	—	—	65.5	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.66	50	1.31
Intermediate	MCOI-6	SINGLE	686	11/10/10	Cr	UF	CS	FD	—	64	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.64	—	—
Intermediate	MCOI-6	SINGLE	686	11/10/10	Cr	UF	CS	—	—	64.5	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.65	—	—
Regional	R-46	SINGLE	1340	11/12/10	Sb	F	CS	—	—	3.78	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.63	—	—
Regional	R-46	SINGLE	1340	11/12/10	Sb	UF	CS	—	—	4.4	0.5	µg/L	GELC	—	—	—	SW-846:6020	6	0.73	—	—
Regional	R-15	SINGLE	958.6	11/09/10	Pb	UF	CS	—	—	39.5	0.5	µg/L	GELC	—	—	—	SW-846:6020	15	2.63	—	—
Regional	R-42	SINGLE	931.8	11/10/10	Cr	F	CS	—	—	995	2.5	µg/L	GELC	E	—	—	SW-846:6020	100	9.95	50	19.9
Regional	R-42	SINGLE	931.8	11/10/10	Cr	UF	CS	—	—	1270	50	µg/L	GELC	E	—	—	SW-846:6020	100	12.7	—	—
Regional	R-28	SINGLE	934.3	11/10/10	Cr	F	CS	—	—	402	2.5	µg/L	GELC	E	—	—	SW-846:6020	100	4.02	50	8.04
Regional	R-28	SINGLE	934.3	11/10/10	Cr	UF	CS	—	—	409	2.5	µg/L	GELC	E	—	—	SW-846:6020	100	4.09	—	—
Regional	R-50	MULTI	1077	11/16/10	Cr	F	CS	—	—	67	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.67	50	1.34
Regional	R-50	MULTI	1077	11/16/10	Cr	UF	CS	—	—	66.1	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	0.66	—	—

* — None.

Table D-10
Mortandad Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Intermediate	MCOI-5	SINGLE	689	11/15/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—*	9.09	2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	6.7	1.36	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/10/10	—	UF	CS	SVOA	Bis(2-ethylhexyl)phthalate	117-81-7	—	2.3	2.2	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	6	0.38	48	0.05	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/10/10	FD	UF	CS	SVOA	Diethylphthalate	84-66-2	—	24.5	2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/10/10	FD	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	13.6	2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	6.7	2.03	—	—	—	—
Intermediate	MCOI-6	SINGLE	686	11/10/10	—	UF	CS	SVOA	Dioxane[1,4-]	123-91-1	—	11.5	2.2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	6.7	1.72	—	—	—	—
Regional	R-46	SINGLE	1340	11/12/10	—	UF	CS	VOA	Toluene	108-88-3	—	0.38	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-14	SINGLE	1200.6	11/12/10	FTB	UF	CS	VOA	Toluene	108-88-3	—	0.3	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-1	SINGLE	1031.1	11/12/10	FTB	UF	CS	VOA	Dichlorobenzene[1,2-]	95-50-1	—	1.33	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	600	—	—	—	370	—	—	—
Regional	R-1	SINGLE	1031.1	11/12/10	FTB	UF	CS	VOA	Toluene	108-88-3	—	0.46	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	—	—	2300	—	750	—
Regional	R-42	SINGLE	931.8	11/10/10	—	UF	CS	SVOA	Diethylphthalate	84-66-2	—	40.3	2	µg/L	1	—	—	—	SW-846:8270C	GELC	—	—	—	—	29000	—	—	—
Regional	R-50	MULTI	1077	11/16/10	—	UF	CS	PEST/PCB	Aroclor-1254	11097-69-1	—	0.057	0.036	µg/L	1	J	J	J_LAB	SW-846:8082	GELC	0.5	0.11	0.34	0.17	—	—	1	0.06
Regional	R-50	MULTI	1077	11/16/10	FTB	UF	CS	VOA	Naphthalene	91-20-3	—	0.28	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	----	----	1.4	0.2	—	—	30	0.01
Regional	R-16	MULTI	1237	11/17/10	FD	UF	CS	PEST/PCB	Aroclor-1242	53469-21-9	—	1.1	0.037	µg/L	1	—	—	—	SW-846:8082	GELC	0.5	2.2	0.34	3.24	—	—	1	1.1
Regional	R-16	MULTI	1237	11/17/10	FD	UF	CS	PEST/PCB	Aroclor-1254	11097-69-1	—	2.1	0.037	µg/L	1	—	—	—	SW-846:8082	GELC	0.5	4.2	0.34	6.18	—	—	1	2.1

* — None.

Table D-11
Mortandad Surface-Water Perchlorate

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	E-1FW	11/11/10	—*	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC

* — None.

Table D-12
Mortandad Surface-Water Metals

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Acute (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)
WS	E-1FW	11/11/10	Al	F	CS	—*	—	101	68	µg/L	GELC	J	J	J_LAB	SW-846:6010B	—	—	87	1.16
WS	E-1FW	11/11/10	Cu	F	CS	—	—	10.4	3	µg/L	GELC	—	—	—	SW-846:6010B	13.4	0.78	9	1.16

* — None.

Table D-13
Mortandad Surface-Water Organics

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E-1FW	11/11/10	FTB	UF	CS	VOA	Toluene	108-88-3	—*	0.39	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	200000	—
WS	E-1FW	11/11/10	—	UF	CS	DIOX/FUR	Heptachlorodibenzodioxins (Total)	37871-00-4	—	0.00000539	0.00000522	µg/L	1	J	J	J_LAB	SW-846:8290	CFA	—	—
WS	E-1FW	11/11/10	—	UF	CS	DIOX/FUR	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3268-87-9	—	0.0000279	0.0000104	µg/L	1	J	J	J_LAB	SW-846:8290	CFA	—	—

* — None.

Table D-14
Sandia Groundwater Inorganic Chemistry

Analyte	Zone	Location	Well Class	Port Depth (ft)	Date	Field Preparation Code	Field QC Type Code	Lab Sample Type Code	Symbol	Result	Uncertainty	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
NO3+NO2-N	Regional	R-43	MULTI	903.9	11/16/10	F	—*	CS	—	5.5	—	0.25	mg/L	GELC	—	—	—	10	0.55	10	0.55

* — None.

Table D-15
Sandia Groundwater Perchlorate

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
Alluvial	SCA-1-DP	MULTI	2	11/11/10	—*	F	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
Intermediate	SCI-1	SINGLE	358	11/16/10	—	F	CS	ClO4	SW-846:6850	—	0.981	0.1	µg/L	2	—	—	—	GELC
Intermediate	SCI-2	SINGLE	548	11/16/10	—	F	CS	ClO4	SW-846:6850	—	1.04	0.1	µg/L	2	—	—	—	GELC
Intermediate	R-12	MULTI	459	11/17/10	—	F	CS	ClO4	SW-846:6850	—	0.417	0.05	µg/L	1	—	—	—	GELC
Intermediate	R-12	MULTI	505	11/17/10	—	F	CS	ClO4	SW-846:6850	—	0.939	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	904	11/16/10	—	F	CS	ClO4	SW-846:6850	—	0.955	0.05	µg/L	1	—	—	—	GELC
Regional	R-43	MULTI	969	11/16/10	—	F	CS	ClO4	SW-846:6850	—	0.419	0.05	µg/L	1	—	—	—	GELC
Regional	R-11	SINGLE	855	11/11/10	—	F	CS	ClO4	SW-846:6850	—	0.812	0.05	µg/L	1	—	—	—	GELC
Regional	R-35b	SINGLE	825	11/11/10	—	F	CS	ClO4	SW-846:6850	—	0.577	0.05	µg/L	1	—	—	—	GELC
Regional	R-35a	SINGLE	1013	11/11/10	—	F	CS	ClO4	SW-846:6850	—	0.419	0.05	µg/L	1	—	—	—	GELC
Regional	R-36	SINGLE	767	11/11/10	—	F	CS	ClO4	SW-846:6850	—	1.7	0.2	µg/L	4	—	—	—	GELC

* — None.

Table D-16
Sandia Groundwater Metals

Zone	Location	Well Class	Port Depth (ft)	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	EPA MCL	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	11/11/10	Cr	UF	CS	—*	—	97.6	13	µg/L	GELC	—	—	—	SW-846:6020	100	0.98	—	—
Alluvial	SCA-1-DP	MULTI	2.16	11/11/10	Fe	F	CS	—	—	2150	30	µg/L	GELC	—	—	—	SW-846:6010B	—	—	1000	2.15
Alluvial	SCA-1-DP	MULTI	2.16	11/11/10	Mn	F	CS	—	—	1010	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	5.05
Intermediate	SCI-2	SINGLE	548	11/16/10	Cr	F	CS	—	—	512	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	5.12	50	10.24
Intermediate	SCI-2	SINGLE	548	11/16/10	Cr	UF	CS	—	—	497	2.5	µg/L	GELC	—	—	—	SW-846:6020	100	4.97	—	—
Intermediate	R-12	MULTI	459	11/17/10	Mn	F	CS	—	—	167	2	µg/L	GELC	—	—	—	SW-846:6010B	—	—	200	0.84

* — None.

Table D-17
Sandia Groundwater Organics

Zone	Location	Well Class	Port Depth (ft)	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	EPA MCL	Ratio (Result/Screening Level)	EPA Regional Tap Screening Level	Ratio (Result/Screening Level)	NMWQCC Groundwater Standard	Ratio (Result/Screening Level)
Alluvial	SCA-1-DP	MULTI	2.16	11/11/10	—*	UF	CS	VOA	Toluene	108-88-3	—	0.36	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	1000	—	2300	—	750	—

* — None.

Table D-18
Sandia Surface-Water Perchlorate

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analyte	Analytical Method Code	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Lab Code
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	ClO4	SW-846:6850	<	0.2	0.05	µg/L	1	U	U	U_LAB	GELC
WS	E121 Sandia right fork at Power Plant	11/09/10	—*	F	CS	ClO4	SW-846:6850	—	0.241	0.05	µg/L	1	—	—	—	GELC
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	F	CS	ClO4	SW-846:6850	—	0.245	0.05	µg/L	1	—	—	—	GELC
WS	E123 Sandia below Wetlands	11/11/10	—	F	CS	ClO4	SW-846:6850	—	0.527	0.05	µg/L	1	—	—	—	GELC
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	F	CS	ClO4	SW-846:6850	—	0.264	0.05	µg/L	1	—	—	—	GELC
WS	South Fork of Sandia Canyon at E122	11/09/10	—	F	CS	ClO4	SW-846:6850	—	0.834	0.05	µg/L	1	—	—	—	GELC

* — None.

Table D-19
Sandia Surface-Water Metals

Field Matrix Code	Location	Date	Analyte	Field Preparation Code	Lab Sample Type Code	Field QC Type Code	Symbol	Result	MDL	Unit	Lab Code	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E 121 Sandia right fork at Power Plant	11/09/10	Cu	F	CS	FD	—*	5.67	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	9	0.63	—	—
WS	E 121 Sandia right fork at Power Plant	11/09/10	Cu	F	CS	—	—	6.39	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	9	0.71	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	As	F	CS	—	—	5.58	1.5	µg/L	GELC	—	—	—	SW-846:6020	—	—	9	0.62
WS	South Fork of Sandia Canyon at E122	11/09/10	Cu	F	CS	—	—	6.48	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	9	0.72	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	Cu	F	CS	—	—	6.5	3	µg/L	GELC	J	J	J_LAB	SW-846:6010B	9	0.72	—	—

* — None.

Table D-20
Sandia Surface-Water Organics

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	PCB-11	2050-67-1	—*	0.0000382	0.000034	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.0000107	0.00000679	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	PCB-66	32598-10-0	—	0.00000704	0.00000679	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.0000718	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.01	0.0006	0.12
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000382	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.0000159	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	PEB	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.0000177	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.0000162	0.0000136	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	PCB-8	34883-43-7	—	0.00000686	0.0000068	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.0000219	0.0000204	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.000115	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.01	0.0006	0.19
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000507	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.0000162	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.0000383	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FB	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.00000953	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.000324	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-128/PCB-166	PCB-128/166	—	0.0000684	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-129/PCB-138/PCB-163	PCB-129/138/163	—	0.000888	0.0000208	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-135/PCB-151	PCB-135/151	—	0.000314	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-147/PCB-149	PCB-147/149	—	0.000659	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.00081	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-156/PCB-157	PCB-156/157	—	0.0000636	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-170	35065-30-6	—	0.000407	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-171/PCB-173	PCB-171/173	—	0.000138	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-18/PCB-30	PCB-18/30	—	0.0000213	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-183/PCB-185	PCB-183/185	—	0.000313	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-187	52663-68-0	—	0.00052	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-191	74472-50-7	—	0.0000146	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-195	52663-78-2	—	0.0000407	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-198/PCB-199	PCB-198/199	—	0.000147	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-20/PCB-28	PCB-20/28	—	0.0000173	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-202	2136-99-4	—	0.0000189	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-206	40186-72-9	—	0.0000285	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-31	16606-02-3	—	0.0000144	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-49/PCB-69	PCB-49/69	—	0.0000256	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.000134	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-61/PCB-70/PCB-74/PCB-76	PCB-61/70/74/76	—	0.0000956	0.0000277	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-86/87/97/109/119/125	PCB86+7/97/109+19+25	—	0.000161	0.0000417	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.000364	0.0000208	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.00885	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.63	0.0006	14.75
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000539	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total heptaCB	28655-71-2	—	0.00264	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.00368	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.00157	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.000314	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PCB_CONG	Total triCB	25323-68-6	—	0.0000604	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-107	70424-68-9	—	0.00000854	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-130	52663-66-8	—	0.0000272	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-132	38380-05-1	—	0.000231	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-136	38411-22-2	—	0.0000947	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-137	35694-06-5	—	0.00000721	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-141	52712-04-6	—	0.000208	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-144	68194-14-9	—	0.0000408	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-146	51908-16-8	—	0.000105	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-158	74472-42-7	—	0.0000729	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-172	52663-74-8	—	0.0000793	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-174	38411-25-5	—	0.000533	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-175	40186-70-7	—	0.0000136	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-176	52663-65-7	—	0.0000485	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-177	52663-70-4	—	0.000309	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-178	52663-67-9	—	0.0000122	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-179	52663-64-6	—	0.000158	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-190	41411-64-7	—	0.000081	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-194	35694-08-7	—	0.000128	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-196	42740-50-1	—	0.0000753	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-201	40186-71-8	—	0.0000184	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-22	38444-85-8	—	0.00000737	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-56	41464-43-1	—	0.0000139	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-82	52663-62-4	—	0.0000172	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-83	60145-20-2	—	0.0000078	0.00000694	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-84	52663-60-2	—	0.0000456	0.00000694	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-88/91	55215-17-3	—	0.0000152	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-95	38379-99-6	—	0.000288	0.00000694	µg/L	1	—	J	CB4a	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	PCB-99	38380-01-7	—	0.000065	0.0000348	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	Total nonaCB	53742-07-7	—	0.0000285	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	PEST/PCB	Total octaCB	55722-26-4	—	0.000512	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	SVOA	Diethylphthalate	84-66-2	—	2.91	2.1	µg/L	1	J	J	J_LAB	SW-846:8270C	GELC	—	—	44000	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	VOA	Bromodichloromethane	75-27-4	—	7.99	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	170	0.05
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	VOA	Bromoform	75-25-2	—	0.91	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	1400	—
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	VOA	Chlorodibromomethane	124-48-1	—	4.94	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	130	0.04

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E121 Sandia right fork at Power Plant	11/09/10	FD	UF	CS	VOA	Chloroform	67-66-3	—	6.73	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	4700	—
WS	E121 Sandia right fork at Power Plant	11/09/10	----	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.00028	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-128/PCB-166	PCB-128/166	—	0.0000599	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-129/PCB-138/PCB-163	PCB-129/138/163	—	0.000706	0.0000208	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-135/PCB-151	PCB-135/151	—	0.000236	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-147/PCB-149	PCB-147/149	—	0.000496	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-15	2050-68-2	—	0.00000872	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.000621	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-156/PCB-157	PCB-156/157	—	0.0000468	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-170	35065-30-6	—	0.000283	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-171/PCB-173	PCB-171/173	—	0.0000818	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-18/PCB-30	PCB-18/30	—	0.0000228	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-187	52663-68-0	—	0.000344	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-191	74472-50-7	—	0.00000703	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-195	52663-78-2	—	0.0000425	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-198/PCB-199	PCB-198/199	—	0.000112	0.0000139	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-20/PCB-28	PCB-20/28	—	0.000021	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-202	2136-99-4	—	0.0000117	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-206	40186-72-9	—	0.0000126	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-31	16606-02-3	—	0.0000166	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-49/PCB-69	PCB-49/69	—	0.0000251	0.0000139	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.00013	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-61/PCB-70/PCB-74/PCB-76	PCB-61/70/74/76	—	0.0000959	0.0000277	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-86/87/97/109/119/125	PCB86+7/97/109+19+25	—	0.000141	0.0000416	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.000309	0.0000208	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.00647	----	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.46	0.0006	10.78
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000659	----	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total heptaCB	28655-71-2	—	0.00148	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.00284	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.00129	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.000318	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PCB_CONG	Total triCB	25323-68-6	—	0.000076	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-130	52663-66-8	—	0.0000223	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-132	38380-05-1	—	0.000179	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-136	38411-22-2	—	0.0000742	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-141	52712-04-6	—	0.000167	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-144	68194-14-9	—	0.0000313	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-146	51908-16-8	—	0.0000781	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-158	74472-42-7	—	0.0000569	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-172	52663-74-8	—	0.0000464	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-174	38411-25-5	—	0.000349	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-176	52663-65-7	—	0.0000284	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-177	52663-70-4	—	0.000191	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-179	52663-64-6	—	0.0000959	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-190	41411-64-7	—	0.0000575	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-194	35694-08-7	—	0.0000891	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-196	42740-50-1	—	0.0000545	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-201	40186-71-8	—	0.0000105	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-22	38444-85-8	—	0.00000858	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-37	38444-90-5	—	0.00000705	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-56	41464-43-1	—	0.0000142	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-82	52663-62-4	—	0.0000144	0.00000693	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-84	52663-60-2	—	0.0000413	0.00000693	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-95	38379-99-6	—	0.000247	0.00000693	µg/L	1	—	J	CB4a	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	PCB-99	38380-01-7	—	0.000054	0.0000347	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	Total nonaCB	53742-07-7	—	0.0000126	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	PEST/PCB	Total octaCB	55722-26-4	—	0.000383	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	VOA	Bromodichloromethane	75-27-4	—	6.37	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	170	0.04
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	VOA	Bromoform	75-25-2	—	0.7	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	1400	----
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	VOA	Chlorodibromomethane	124-48-1	—	4.14	0.3	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	130	0.03
WS	E121 Sandia right fork at Power Plant	11/09/10	—	UF	CS	VOA	Chloroform	67-66-3	—	5.38	0.25	µg/L	1	—	—	—	SW-846:8260B	GELC	—	—	4700	----
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-11	2050-67-1	—	0.0000452	0.0000345	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.000205	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-128/PCB-166	PCB-128/166	—	0.0000391	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-129/PCB-138/PCB-163	PCB-129/138/163	—	0.000303	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-135/PCB-151	PCB-135/151	—	0.0000864	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-147/PCB-149	PCB-147/149	—	0.000191	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.000241	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-156/PCB-157	PCB-156/157	—	0.0000275	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-170	35065-30-6	----	0.000138	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-171/PCB-173	PCB-171/173	----	0.000034	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-183/PCB-185	PCB-183/185	----	0.0000722	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-187	52663-68-0	----	0.000122	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-195	52663-78-2	—	0.0000225	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-198/PCB-199	PCB-198/199	—	0.0000801	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-20/PCB-28	PCB-20/28	—	0.0000146	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-206	40186-72-9	—	0.0000342	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-31	16606-02-3	—	0.000007	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-49/PCB-69	PCB-49/69	—	0.000022	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.000063	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-61/PCB-70/PCB-74/PCB-76	PCB-61/70/74/76	—	0.0000852	0.0000275	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-66	32598-10-0	—	0.0000512	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-86/87/97/109/119/125	PCB86+7/97/109+19+25	—	0.0001	0.0000413	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.000162	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.00339	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.24	0.0006	5.65
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000452	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total heptaCB	28655-71-2	—	0.000662	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.00117	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.000864	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.000285	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PCB_CONG	Total triCB	25323-68-6	—	0.000037	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-130	52663-66-8	—	0.0000136	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-132	38380-05-1	—	0.0000837	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-136	38411-22-2	—	0.0000301	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-141	52712-04-6	—	0.000049	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-144	68194-14-9	—	0.0000108	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-146	51908-16-8	—	0.0000342	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-158	74472-42-7	—	0.0000257	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-172	52663-74-8	—	0.0000224	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-174	38411-25-5	—	0.000126	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-176	52663-65-7	—	0.00000897	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-177	52663-70-4	—	0.0000746	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-179	52663-64-6	—	0.0000363	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-190	41411-64-7	—	0.0000268	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-194	35694-08-7	----	0.000114	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-196	42740-50-1	—	0.0000406	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-22	38444-85-8	—	0.00000694	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-37	38444-90-5	—	0.00000847	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-56	41464-43-1	—	0.0000254	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-82	52663-62-4	—	0.0000149	0.00000688	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-84	52663-60-2	—	0.0000255	0.00000688	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-95	38379-99-6	—	0.000125	0.00000688	µg/L	1	—	J	CB4a	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	PCB-99	38380-01-7	—	0.0000479	0.0000345	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	Total nonaCB	53742-07-7	—	0.0000342	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	South Fork of Sandia Canyon at E122	11/09/10	—	UF	CS	PEST/PCB	Total octaCB	55722-26-4	—	0.000301	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-11	2050-67-1	—	0.0000416	0.0000346	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.000106	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-128/PCB-166	PCB-128/166	—	0.0000188	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-129/PCB-138/PCB-163	PCB-129/138/163	—	0.000159	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-135/PCB-151	PCB-135/151	—	0.0000642	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-147/PCB-149	PCB-147/149	—	0.000127	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-15	2050-68-2	—	0.0000111	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.000158	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-170	35065-30-6	—	0.0000483	0.00000689	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-187	52663-68-0	—	0.0000719	0.00000689	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-198/PCB-199	PCB-198/199	—	0.0000203	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-20/PCB-28	PCB-20/28	—	0.0000191	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-31	16606-02-3	—	0.0000103	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-44/PCB-47/PCB-65	PCB-44/47/65	—	0.000024	0.0000207	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.0000573	0.00000689	µg/L	1	----	----	----	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-61/PCB-70/PCB-74/PCB-76	PCB-61/70/74/76	—	0.0000374	0.0000275	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-66	32598-10-0	—	0.0000178	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-8	34883-43-7	—	0.0000157	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-86/87/97/109/119/125	PCB86+7/97/109+19+25	—	0.0000582	0.0000414	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.000117	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.00164	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.12	0.0006	2.73
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000684	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total heptaCB	28655-71-2	—	0.000211	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.000675	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.000466	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.000137	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PCB_CONG	Total triCB	25323-68-6	—	0.0000366	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-132	38380-05-1	—	0.0000514	0.00000689	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-136	38411-22-2	—	0.0000205	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-141	52712-04-6	—	0.0000293	0.00000689	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-146	51908-16-8	—	0.000025	0.00000689	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-158	74472-42-7	—	0.0000118	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-174	38411-25-5	—	0.0000707	0.00000689	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-179	52663-64-6	—	0.0000202	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-194	35694-08-7	—	0.0000127	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-196	42740-50-1	—	0.00000881	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-37	38444-90-5	—	0.00000718	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-84	52663-60-2	—	0.0000183	0.00000689	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	PCB-95	38379-99-6	—	0.000101	0.00000689	µg/L	1	—	J	CB4a	EPA:1668A	CFA	—	—	—	—
WS	Middle Sandia Canyon at terminus of persistent baseflow	11/09/10	—	UF	CS	PEST/PCB	Total octaCB	55722-26-4	—	0.0000512	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	PCB-11	2050-67-1	—	0.0000451	0.0000364	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.0000148	0.0000145	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.0000187	0.0000145	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.0000105	0.00000726	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	PCB-66	32598-10-0	—	0.0000103	0.00000726	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.0000246	0.0000218	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.000124	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	0.01	0.0006	0.21

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000451	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.0000187	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.0000394	—	µg/L	1	B	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FB	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.0000207	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	FTB	UF	CS	VOA	Toluene	108-88-3	—	0.3	0.25	µg/L	1	J	J	J_LAB	SW-846:8260B	GELC	—	—	200000	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-108/PCB-124	PCB-108/124	—	0.0000308	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-110/PCB-115	PCB-110/115	—	0.0019	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-122	76842-07-4	—	0.0000105	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-128/PCB-166	PCB-128/166	—	0.000378	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-129/PCB-138/PCB-163	PCB-129/138/163	—	0.00304	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-135/PCB-151	PCB-135/151	—	0.000988	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-139/PCB-140	PCB-139/140	—	0.0000348	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-147/PCB-149	PCB-147/149	—	0.00221	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-15	2050-68-2	—	0.0000167	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-153/PCB-168	PCB-153/168	—	0.00256	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-156/PCB-157	PCB-156/157	—	0.000305	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-170	35065-30-6	—	0.000773	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-171/PCB-173	PCB-171/173	—	0.000242	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-18/PCB-30	PCB-18/30	—	0.0000382	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-180/PCB-193	PCB-180/193	—	0.00171	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-183/PCB-185	PCB-183/185	—	0.000555	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-187	52663-68-0	—	0.000976	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-191	74472-50-7	—	0.0000283	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-195	52663-78-2	—	0.000132	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-198/PCB-199	PCB-198/199	—	0.000373	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-20/PCB-28	PCB-20/28	—	0.0000775	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-202	2136-99-4	—	0.0000598	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-205	74472-53-0	—	0.0000122	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-206	40186-72-9	—	0.0000652	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-21/PCB-33	PCB-21/33	—	0.0000144	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-31	16606-02-3	—	0.0000434	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-40/PCB-71	PCB-40/71	—	0.0000722	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-49/PCB-69	PCB-49/69	—	0.000213	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-52	35693-99-3	—	0.000633	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-61/PCB-70/PCB-74/PCB-76	PCB-61/70/74/76	—	0.000474	0.0000276	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-66	32598-10-0	—	0.000291	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-8	34883-43-7	—	0.00000894	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-85/PCB-116/PCB-117	PCB-85/116/117	—	0.000188	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-86/87/97/109/119/125	PCB86+7/97/109+19+25	—	0.000996	0.0000414	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-90/PCB-101/PCB-113	PCB-90/101/113	—	0.00182	0.0000207	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	PCB-98/PCB-102	PCB-98/102	—	0.0000172	0.0000138	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total PCB	1336-36-3	—	0.0336	—	µg/L	1	—	—	—	EPA:1668A	CFA	0.014	2.4	0.0006	56
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total diCB	25512-42-9	—	0.0000707	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total heptaCB	28655-71-2	—	0.00669	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total hexaCB	26601-64-9	—	0.013	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total pentaCB	25429-29-2	—	0.0101	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total tetraCB	26914-33-0	—	0.00196	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PCB_CONG	Total triCB	25323-68-6	—	0.000248	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-103	60145-21-3	—	0.0000146	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-107	70424-68-9	—	0.000104	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-120	68194-12-7	—	0.0000074	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-130	52663-66-8	—	0.000178	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-131	61798-70-7	—	0.0000238	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-132	38380-05-1	—	0.000938	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-133	35694-04-3	—	0.0000436	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-134	52704-70-8	—	0.000115	0.0000346	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-136	38411-22-2	—	0.00034	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-137	35694-06-5	—	0.000088	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-141	52712-04-6	—	0.000564	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-144	68194-14-9	—	0.000125	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-146	51908-16-8	—	0.000452	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-154	60145-22-4	—	0.0000348	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-158	74472-42-7	—	0.000267	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-159	39635-35-3	—	0.0000244	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-17	37680-66-3	—	0.0000142	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-172	52663-74-8	—	0.000136	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-174	38411-25-5	—	0.000921	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-175	40186-70-7	—	0.000029	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-176	52663-65-7	—	0.000114	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-177	52663-70-4	—	0.000528	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-178	52663-67-9	—	0.000111	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-179	52663-64-6	—	0.000373	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-190	41411-64-7	—	0.000163	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-194	35694-08-7	—	0.000351	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-196	42740-50-1	—	0.000181	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-201	40186-71-8	—	0.0000434	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-208	52663-77-1	—	0.0000108	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-22	38444-85-8	—	0.0000192	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-37	38444-90-5	—	0.0000257	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-42	36559-22-5	—	0.0000421	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-56	41464-43-1	—	0.0000779	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

Table D-20 (continued)

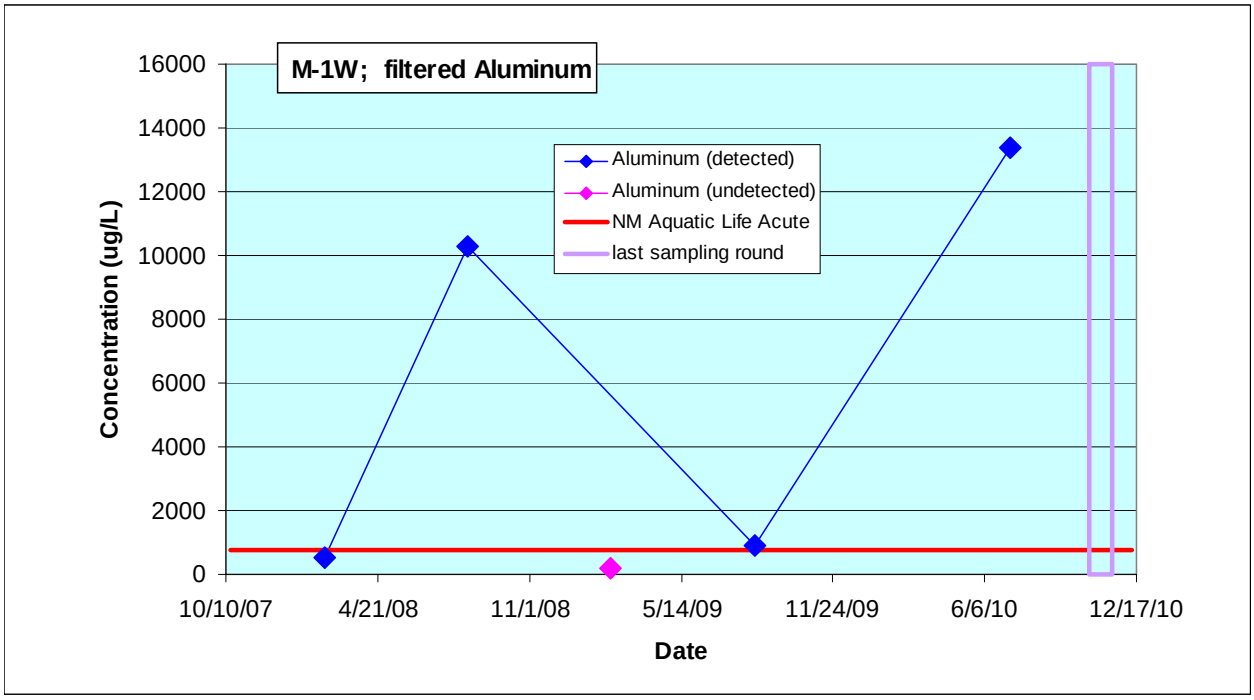
Field Matrix Code	Location	Date	Field QC Type Code	Field Preparation Code	Lab Sample Type Code	Analytical Suite Code	Analyte	Analyte	Symbol	Result	MDL	Unit	Dilution Factor	Lab Qualifier Code	Secondary Validation Flag Code	Secondary Validation Reason Code	Analytical Method Code	Lab Code	NM Aquatic Chronic (100 mg hardness) Screening Level	Ratio (Result/Screening Level)	NM Human Health Screening Level	Ratio (Result/Screening Level)
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-79	41464-48-6	—	0.0000119	0.0000069	µg/L	1	J	J	J_LAB	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-82	52663-62-4	—	0.000152	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-83	60145-20-2	—	0.000108	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-84	52663-60-2	—	0.000343	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-88/91	55215-17-3	—	0.000141	0.0000138	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-95	38379-99-6	—	0.00127	0.0000069	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	PCB-99	38380-01-7	—	0.00063	0.0000346	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	Total nonaCB	53742-07-7	—	0.000076	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—
WS	E123 Sandia below Wetlands	11/11/10	—	UF	CS	PEST/PCB	Total octaCB	55722-26-4	—	0.00135	—	µg/L	1	—	—	—	EPA:1668A	CFA	—	—	—	—

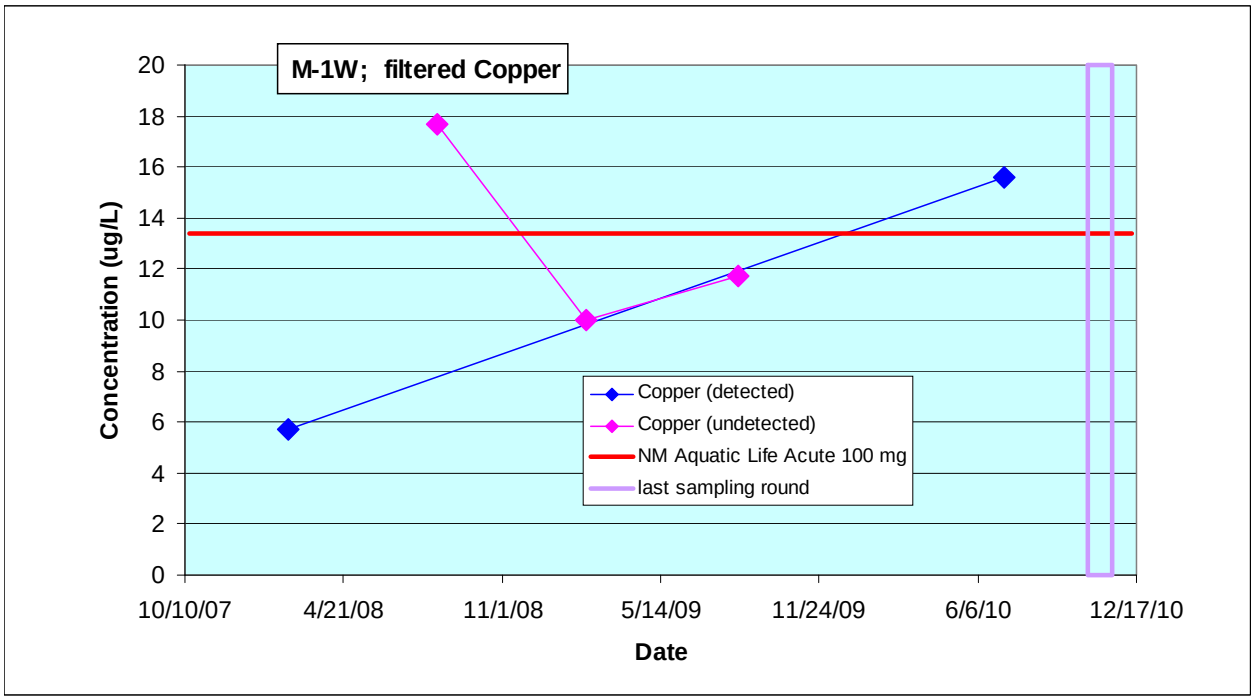
* — None.

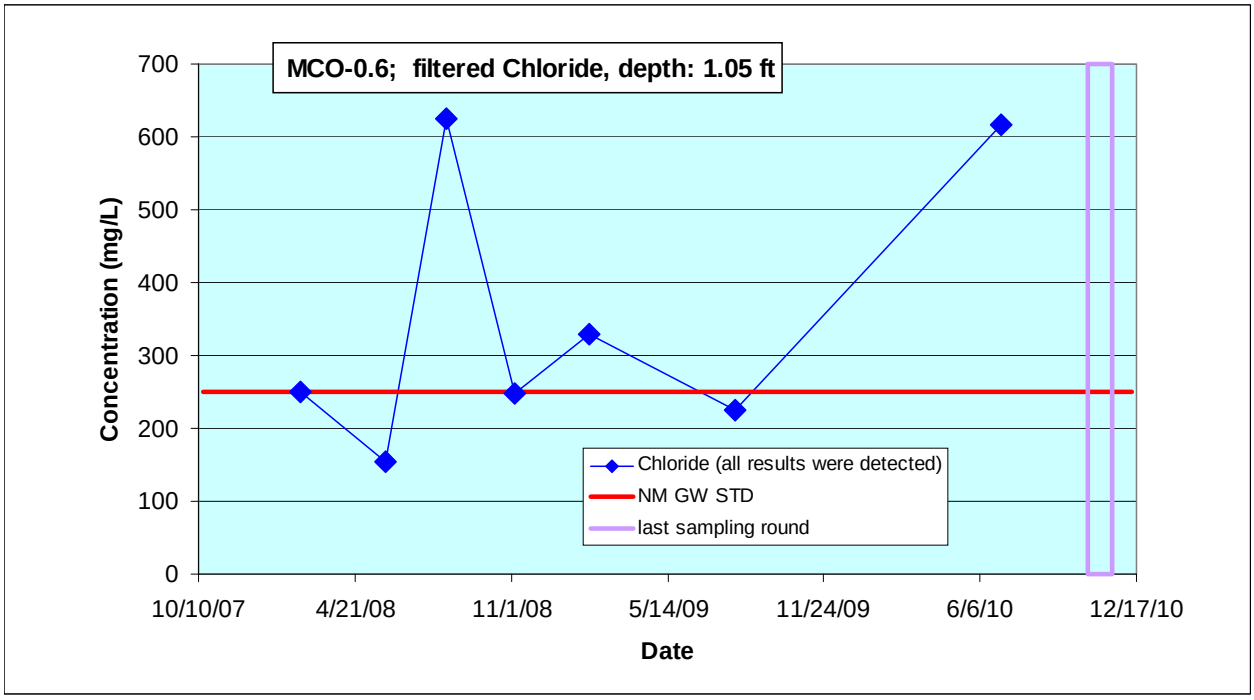
Appendix E

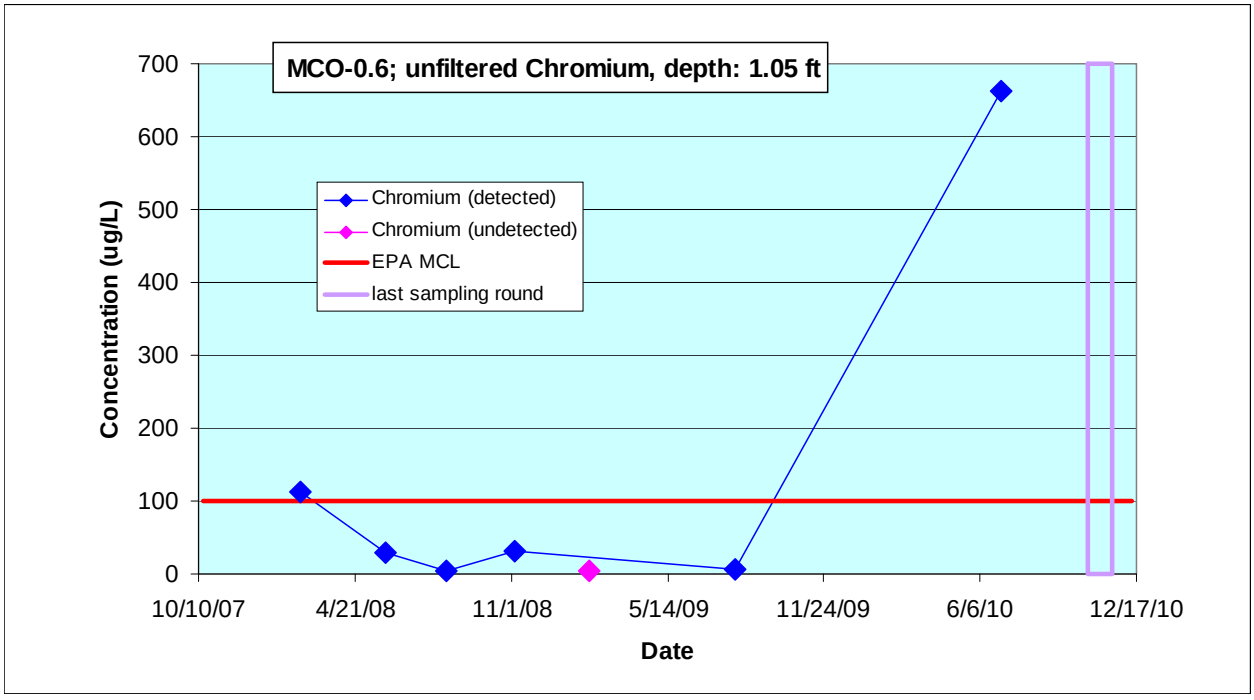
Analytical Chemistry Graphs of Screening-Level Exceedances

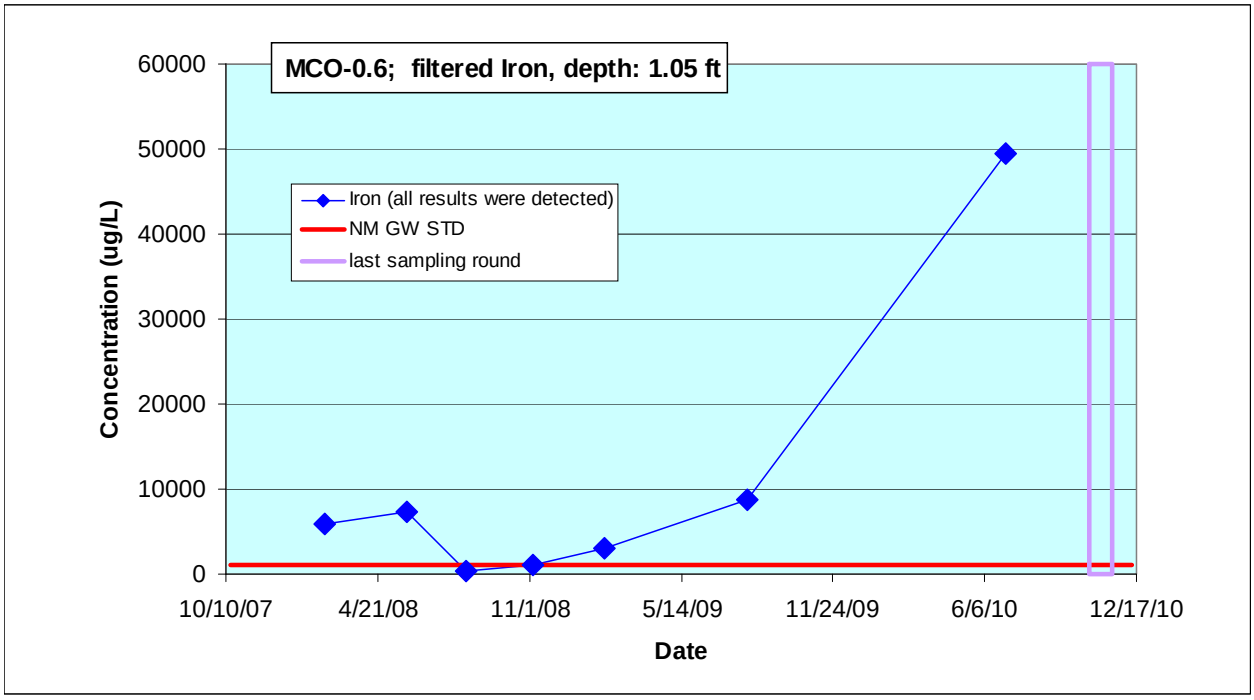
E-1 MORTANDAD WATERSHED

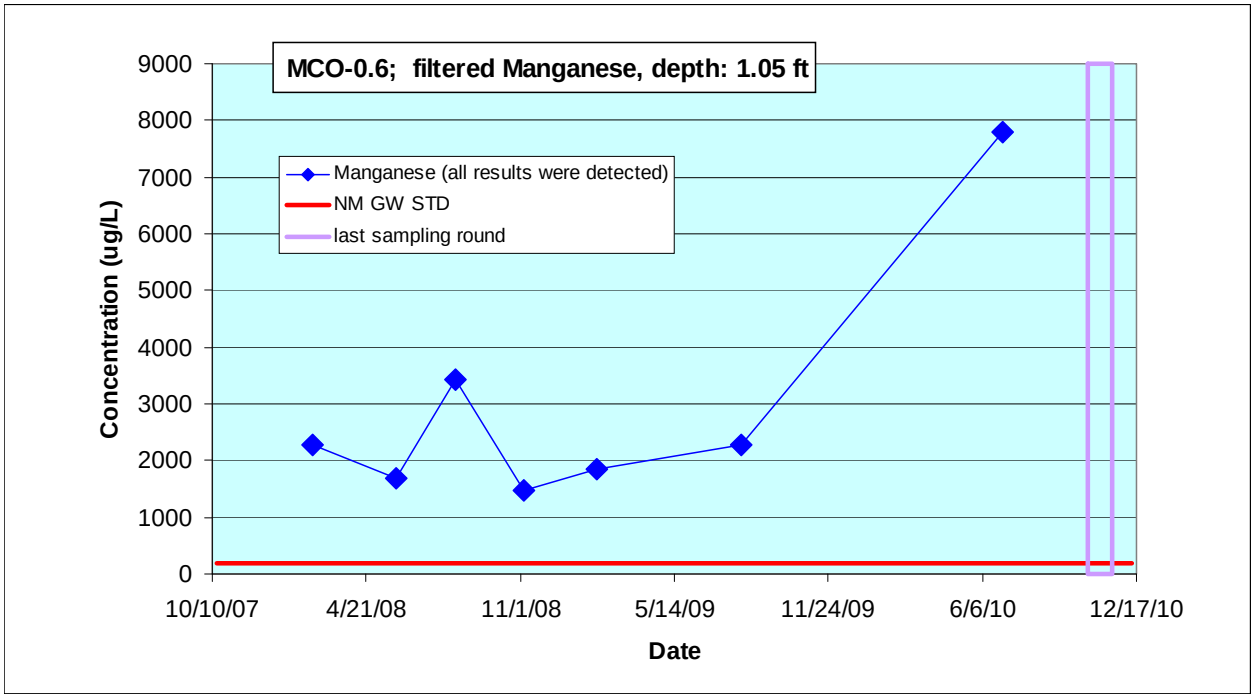


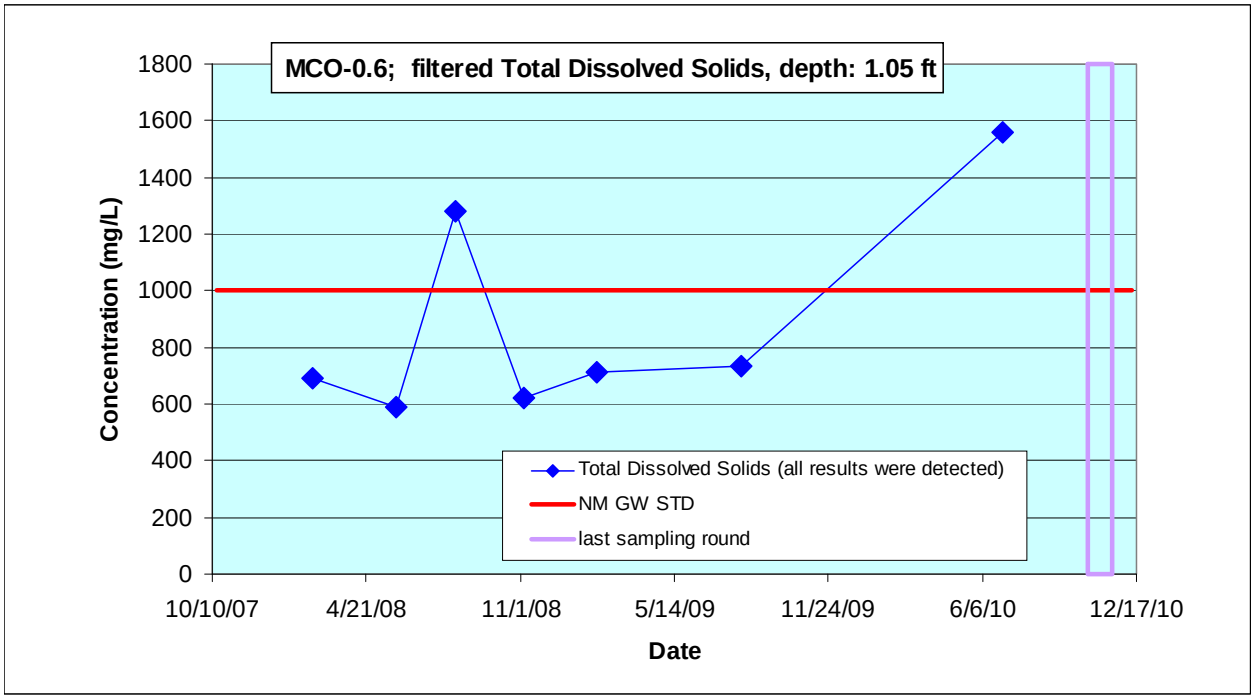


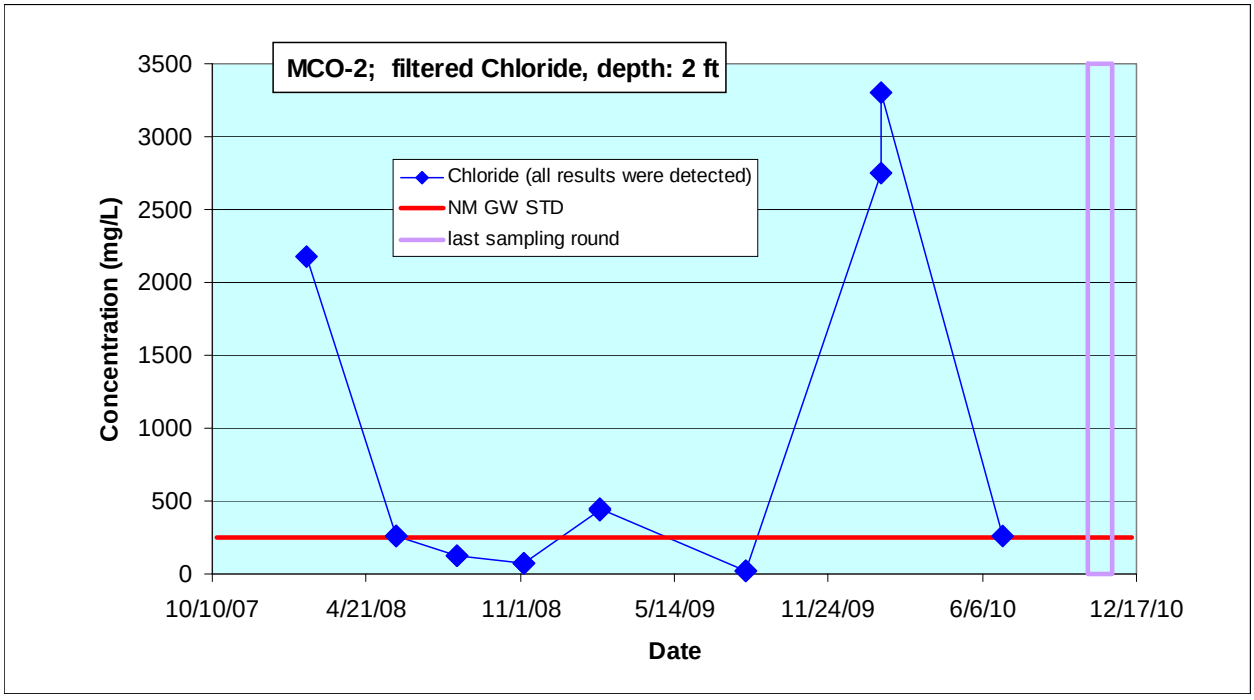

MCO-0.6; filtered Chloride, depth: 1.05 ft
Concentration (mg/L)
700
600
500
400
300
200
100
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Chloride (all results were detected)
NM GW STD
last sampling round

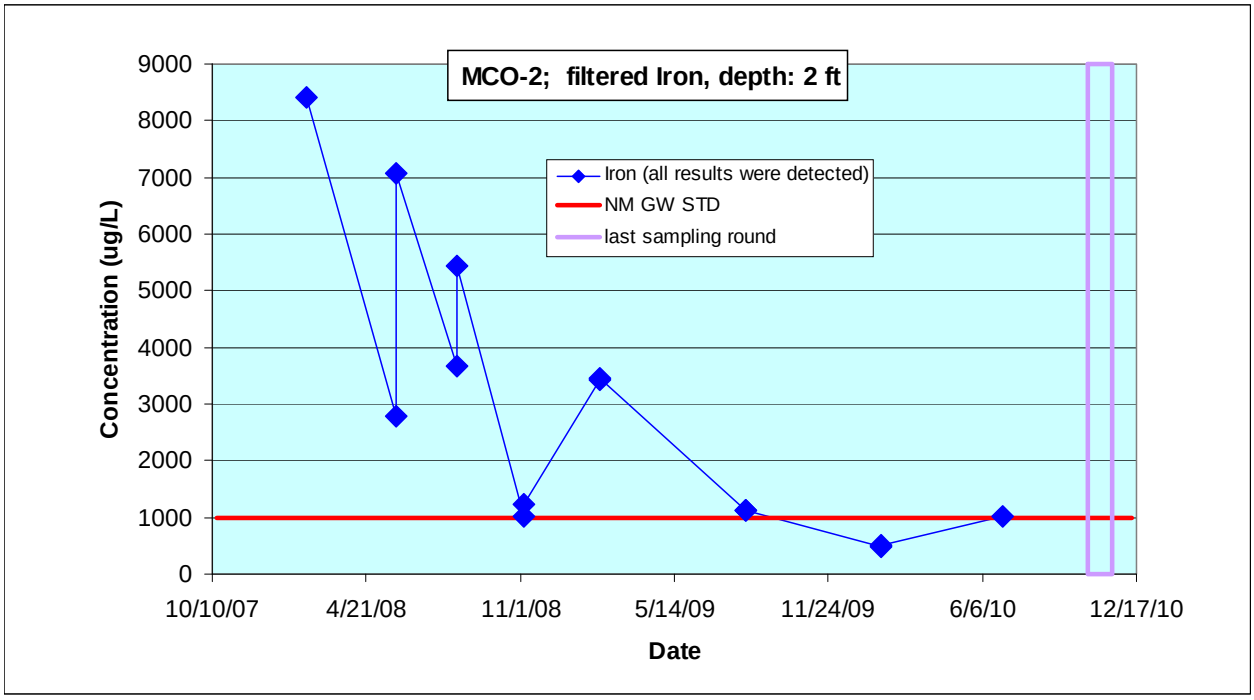

MCO-0.6; unfiltered Chromium, depth: 1.05 ft
Concentration (ug/L)
700
600
500
400
300
200
100
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Chromium (detected)
Chromium (undetected)
EPA MCL
last sampling round

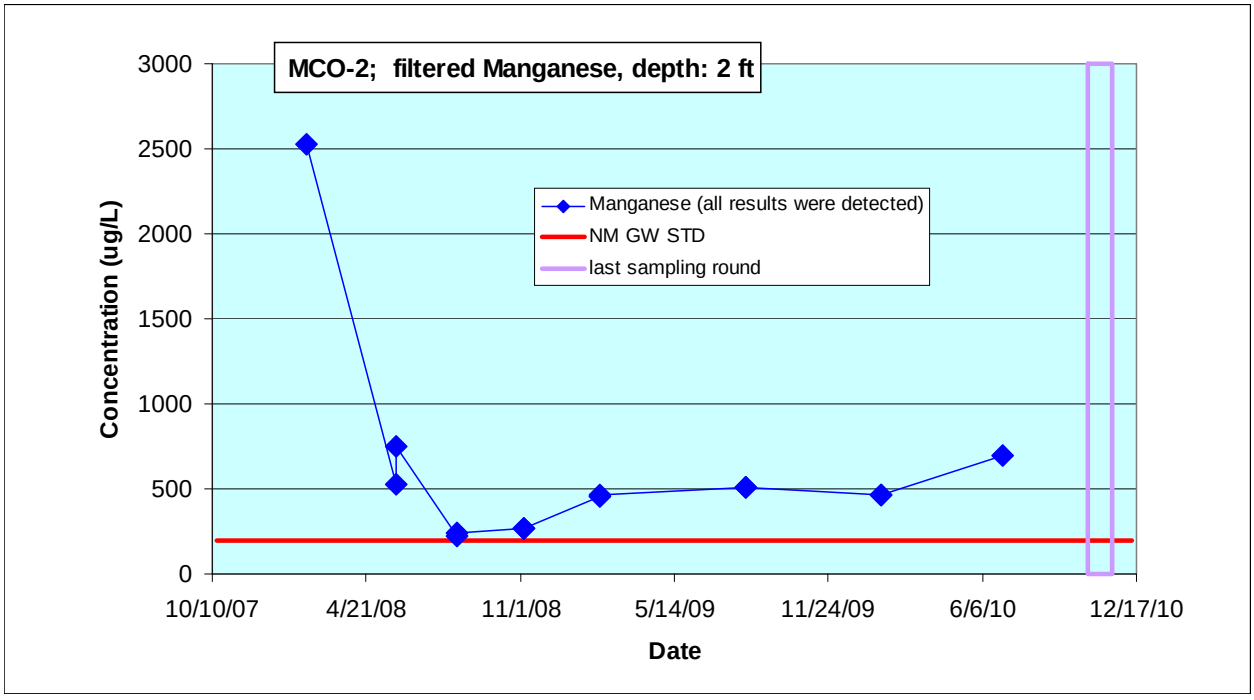

MCO-0.6; filtered Iron, depth: 1.05 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
60000
50000
40000
30000
20000
10000
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

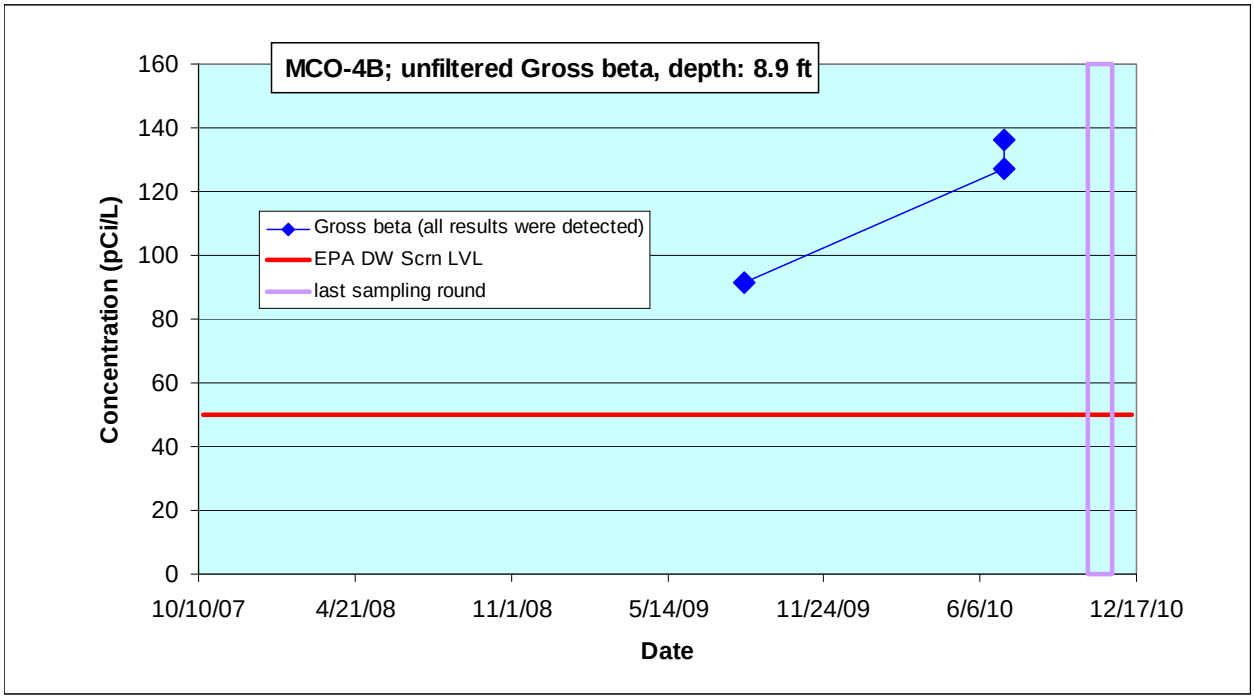

MCO-0.6; filtered Manganese, depth: 1.05 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

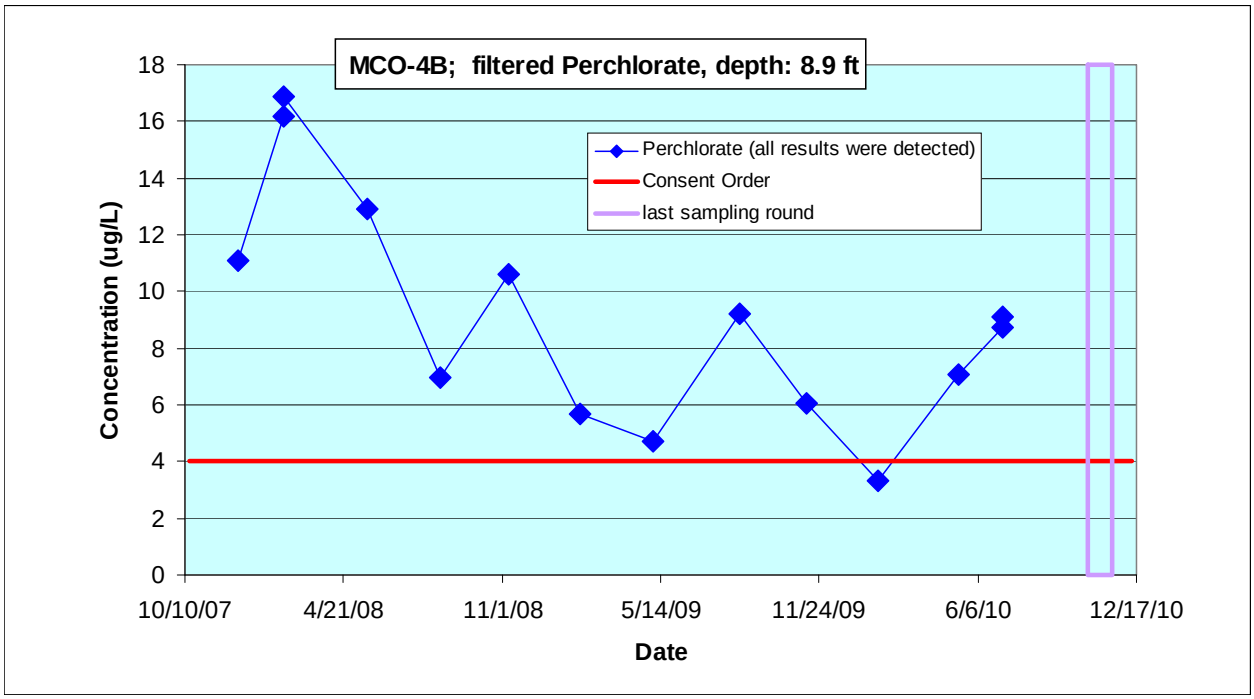

MCO-0.6; filtered Total Dissolved Solids, depth: 1.05 ft
Concentration (mg/L)
1800
1600
1400
1200
1000
800
600
400
200
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Total Dissolved Solids (all results were detected)
NM GW STD
last sampling round

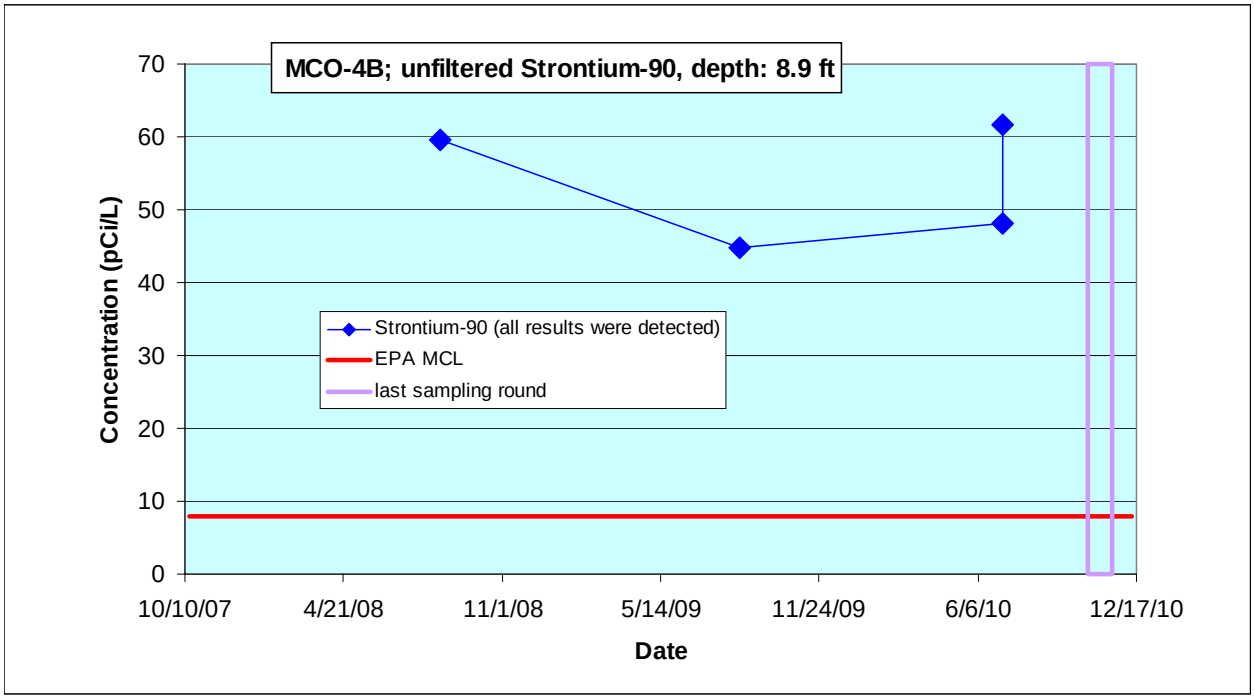

MCO-2; filtered Chloride, depth: 2 ft
Concentration (mg/L)
3500
3000
2500
2000
1500
1000
500
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Chloride (all results were detected)
NM GW STD
last sampling round

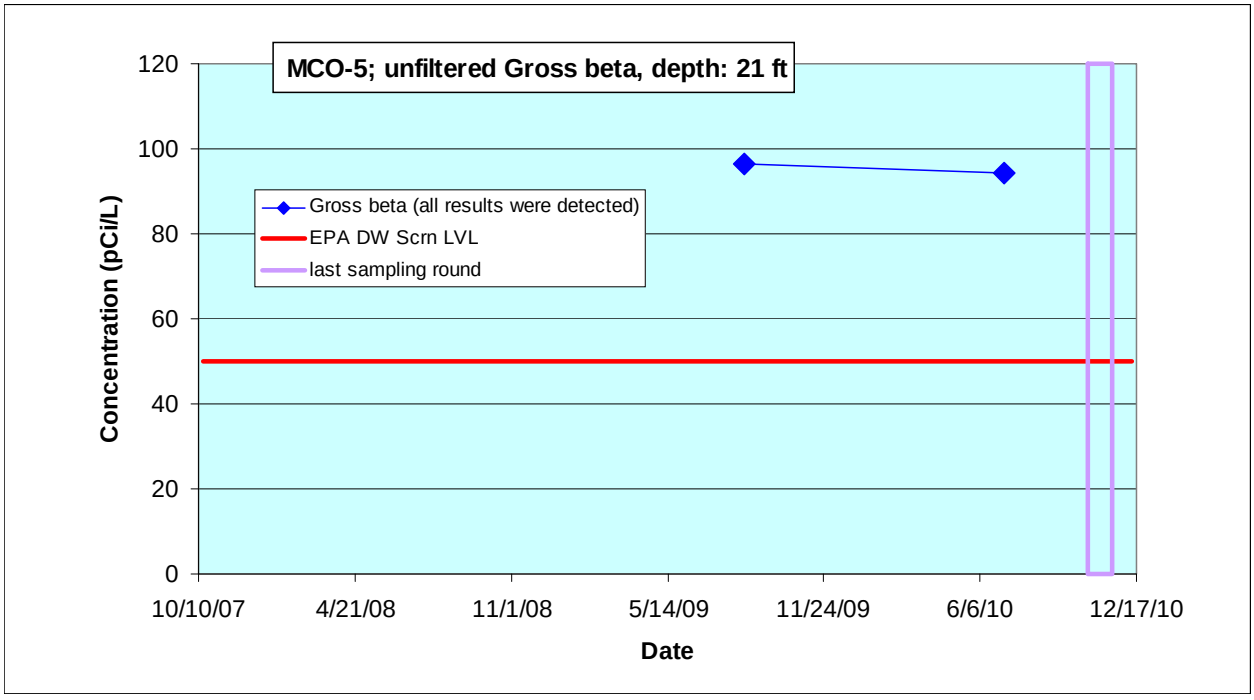

MCO-2; filtered Iron, depth: 2 ft
Iron (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

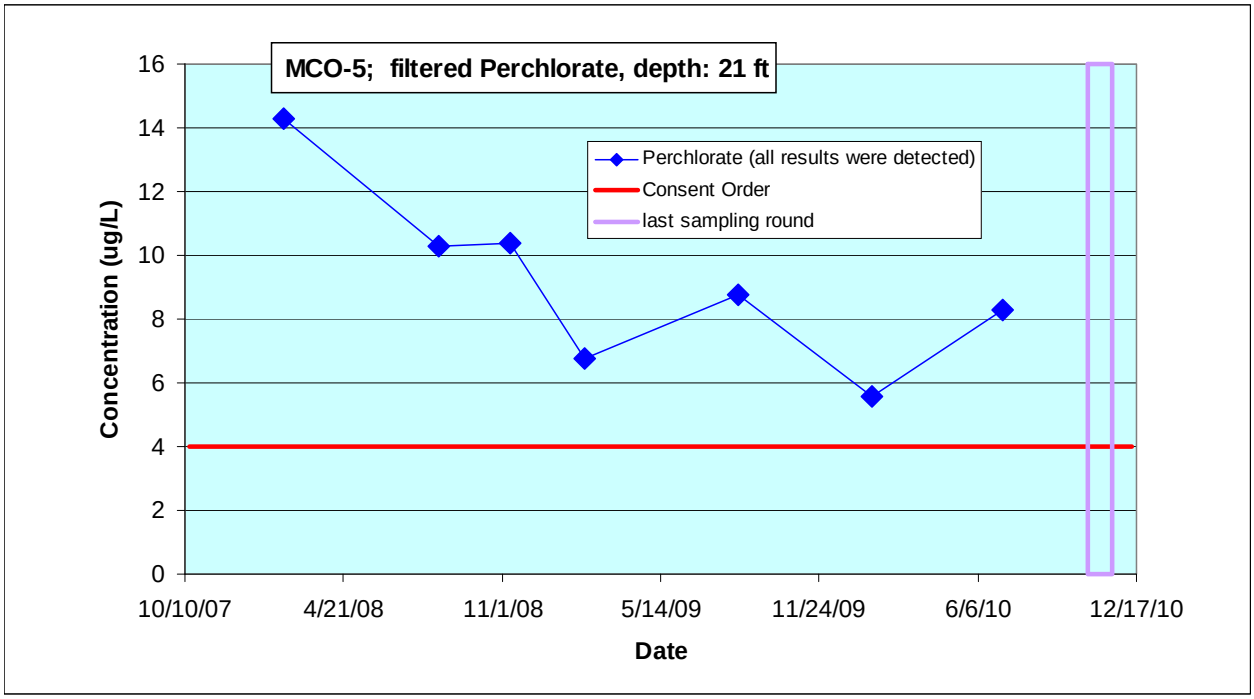

MCO-2; filtered Manganese, depth: 2 ft
Manganese (all results were detected)
NM GW STD
last sampling round
Concentration (ug/L)
3000
2500
2000
1500
1000
500
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

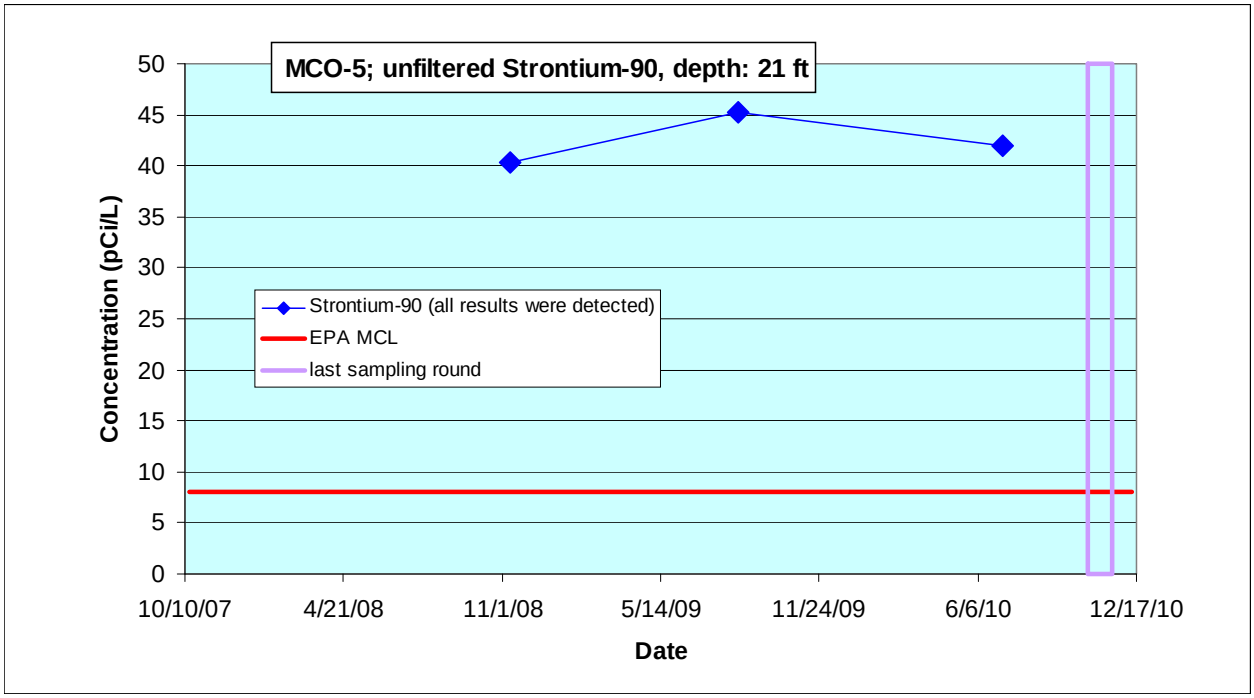

MCO-4B; unfiltered Gross beta, depth: 8.9 ft
Concentration (pCi/L)
160
140
120
100
80
60
40
20
0
Gross beta (all results were detected)
EPA DW Scrn LVL
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

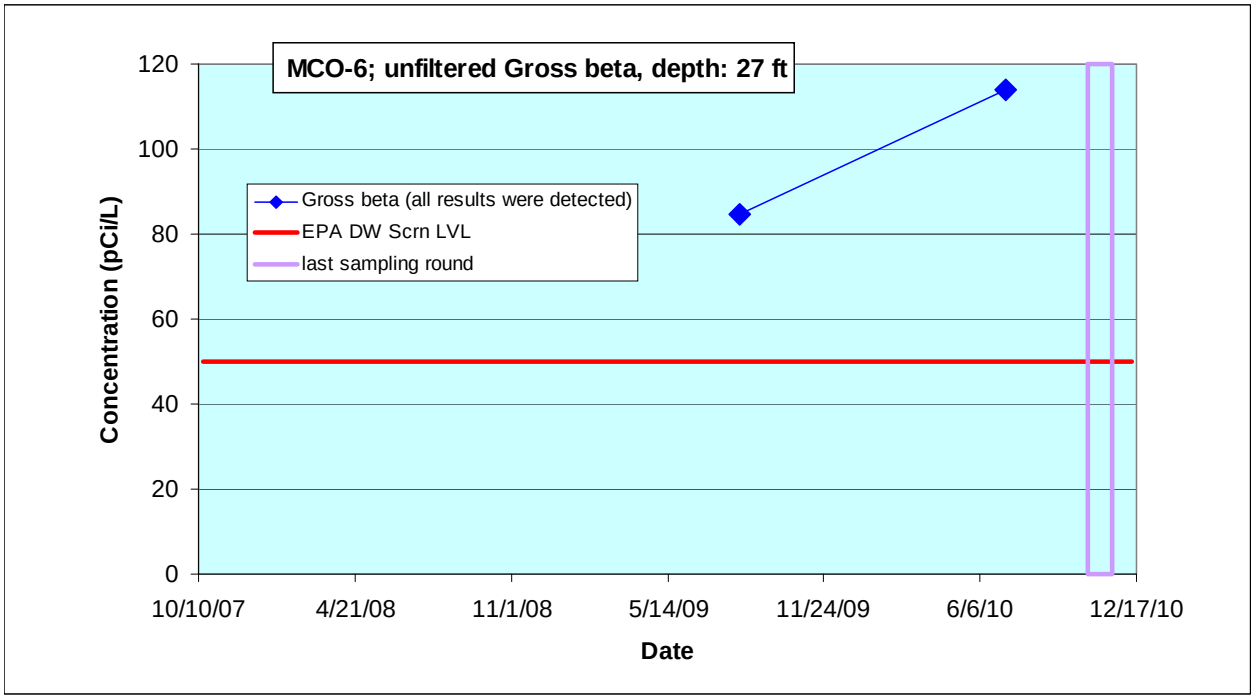

MCO-4B; filtered Perchlorate, depth: 8.9 ft
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
Perchlorate (all results were detected)
Consent Order
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

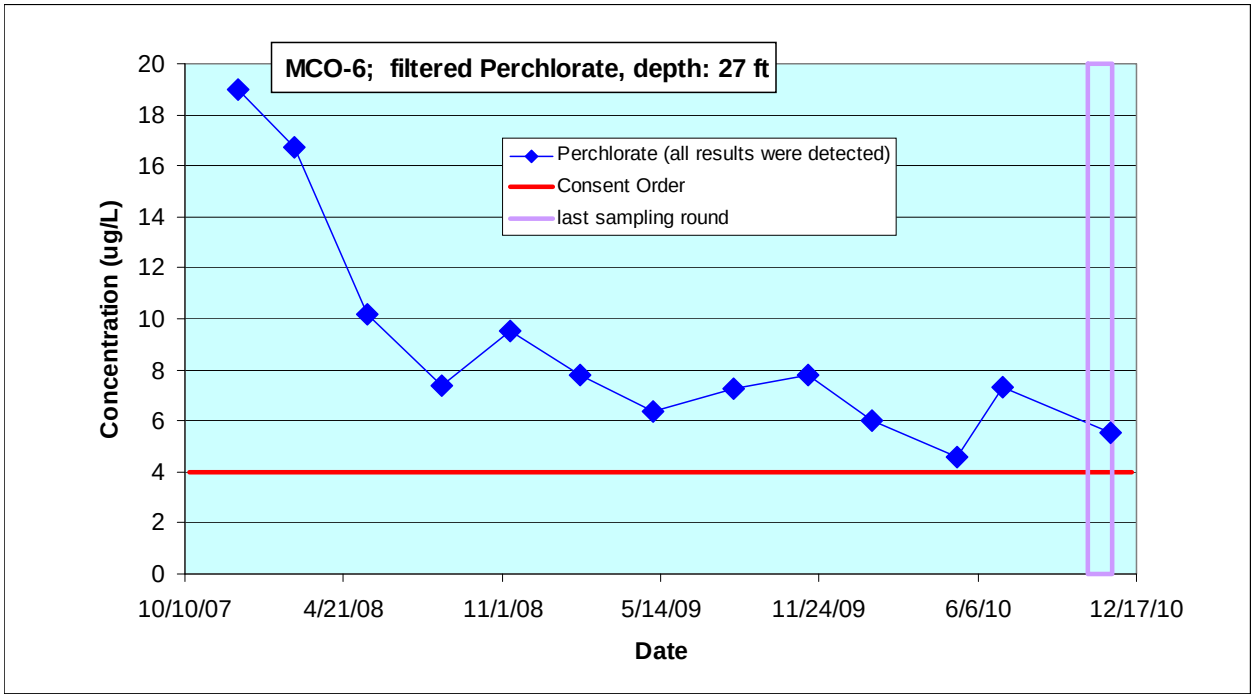

MCO-4B; unfiltered Strontium-90, depth: 8.9 ft
Concentration (pCi/L)
70
60
50
40
30
20
10
0
Strontium-90 (all results were detected)
EPA MCL
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

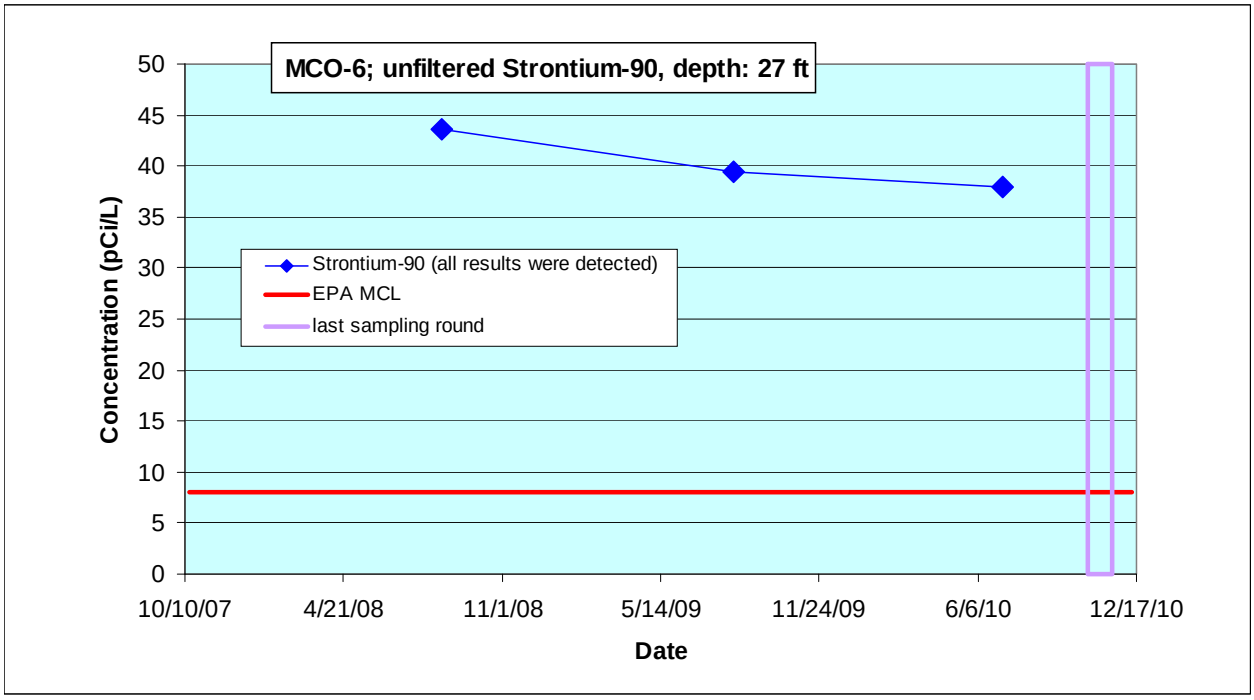

MCO-5; unfiltered Gross beta, depth: 21 ft
Concentration (pCi/L)
120
100
80
60
40
20
0
Gross beta (all results were detected)
EPA DW Scrn LVL
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

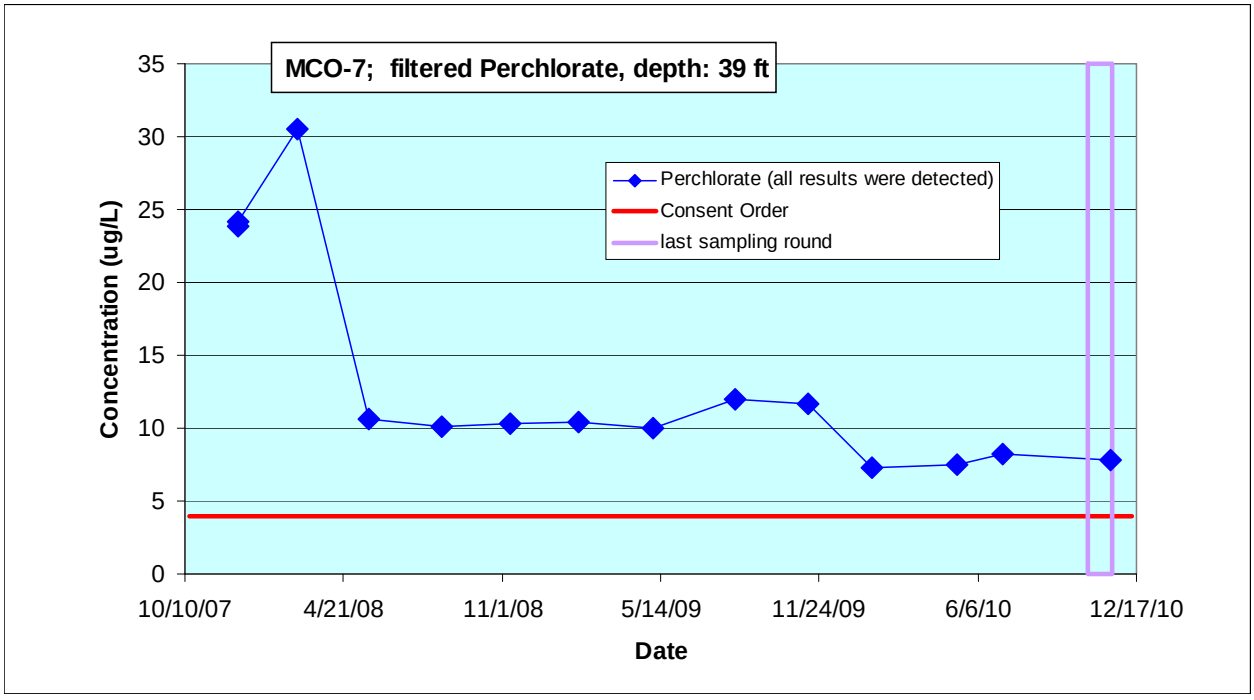

MCO-5; filtered Perchlorate, depth: 21 ft
Perchlorate (all results were detected)
Consent Order
last sampling round
Concentration (ug/L)
0
2
4
6
8
10
12
14
16
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

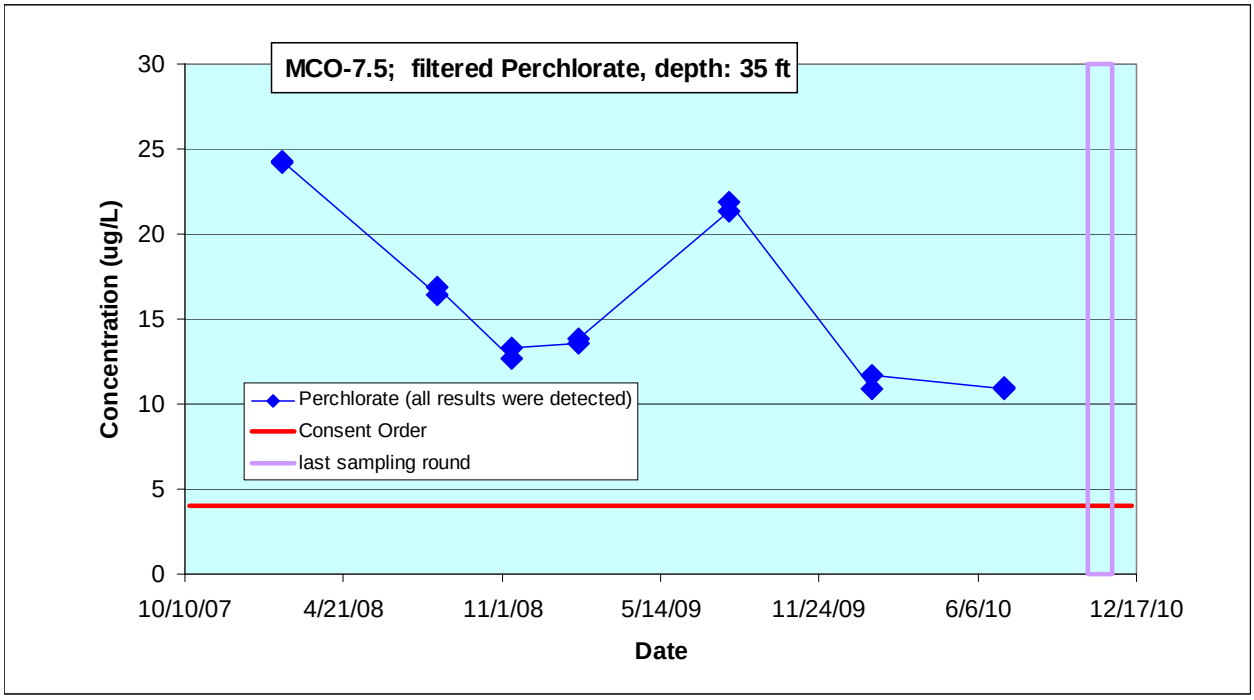

MCO-5; unfiltered Strontium-90, depth: 21 ft
Strontium-90 (all results were detected)
EPA MCL
last sampling round
Concentration (pCi/L)
0
5
10
15
20
25
30
35
40
45
50
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

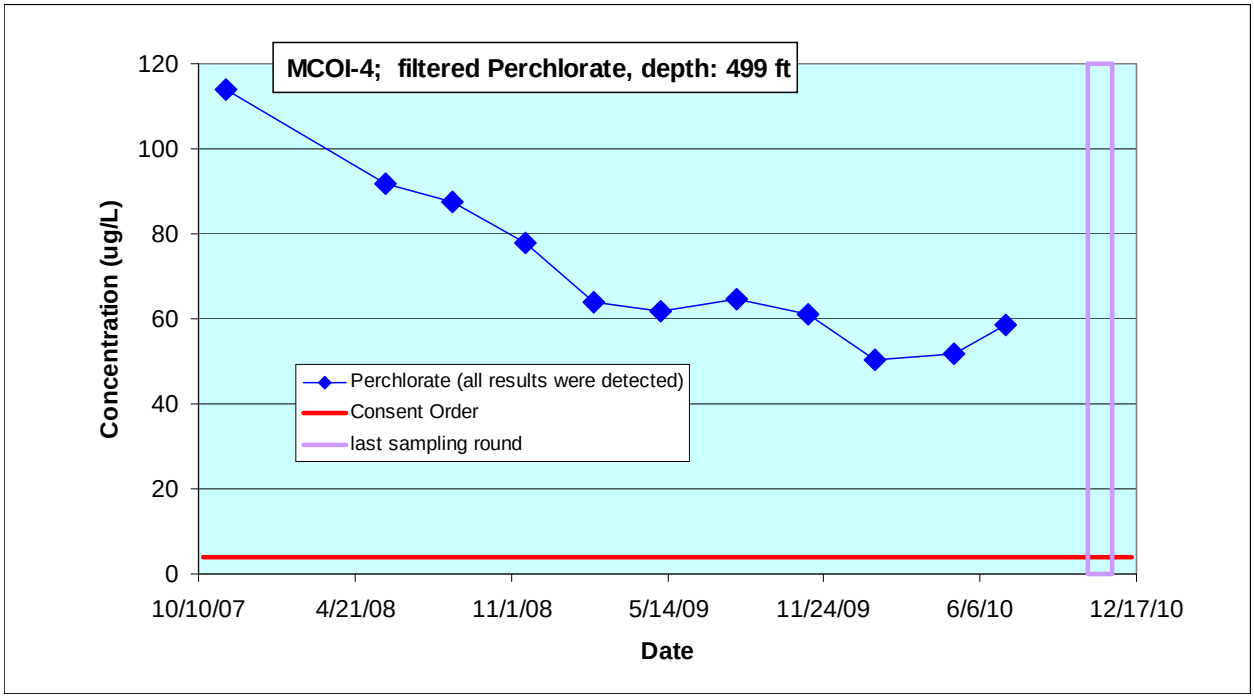

MCO-6; unfiltered Gross beta, depth: 27 ft
Gross beta (all results were detected)
EPA DW Scrn LVL
last sampling round
Concentration (pCi/L)
120
100
80
60
40
20
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

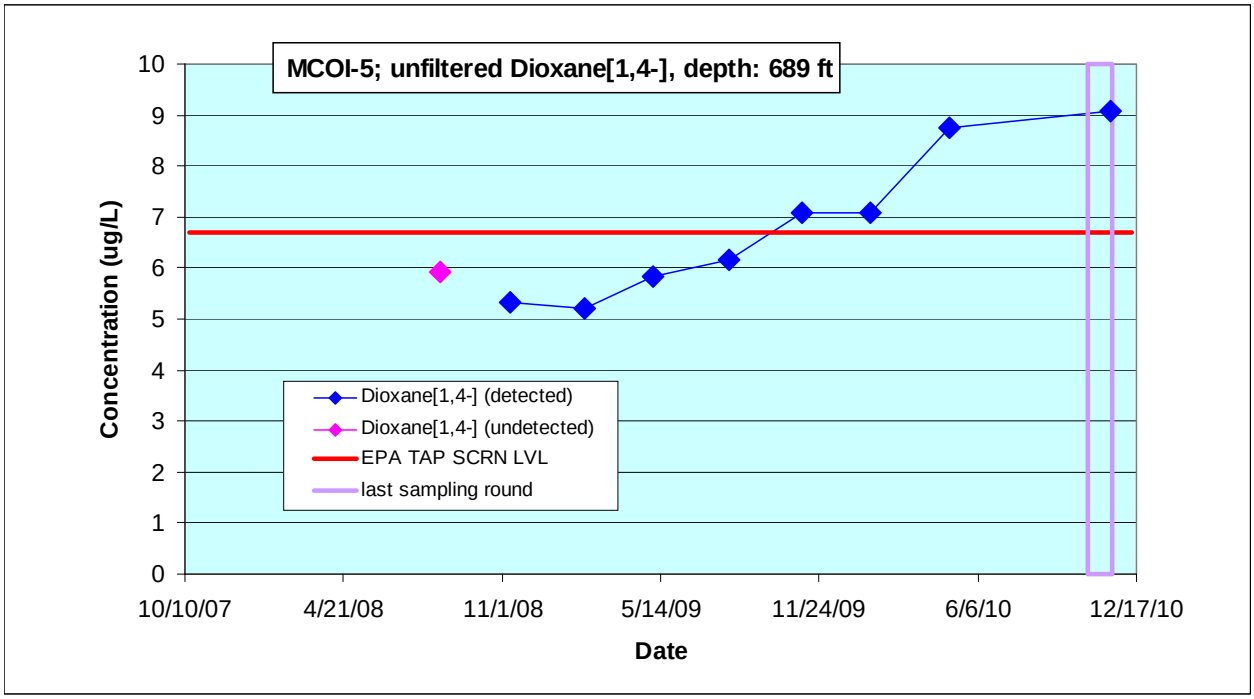

MCO-6; filtered Perchlorate, depth: 27 ft
Perchlorate (all results were detected)
Consent Order
last sampling round
Concentration (ug/L)
20
18
16
14
12
10
8
6
4
2
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

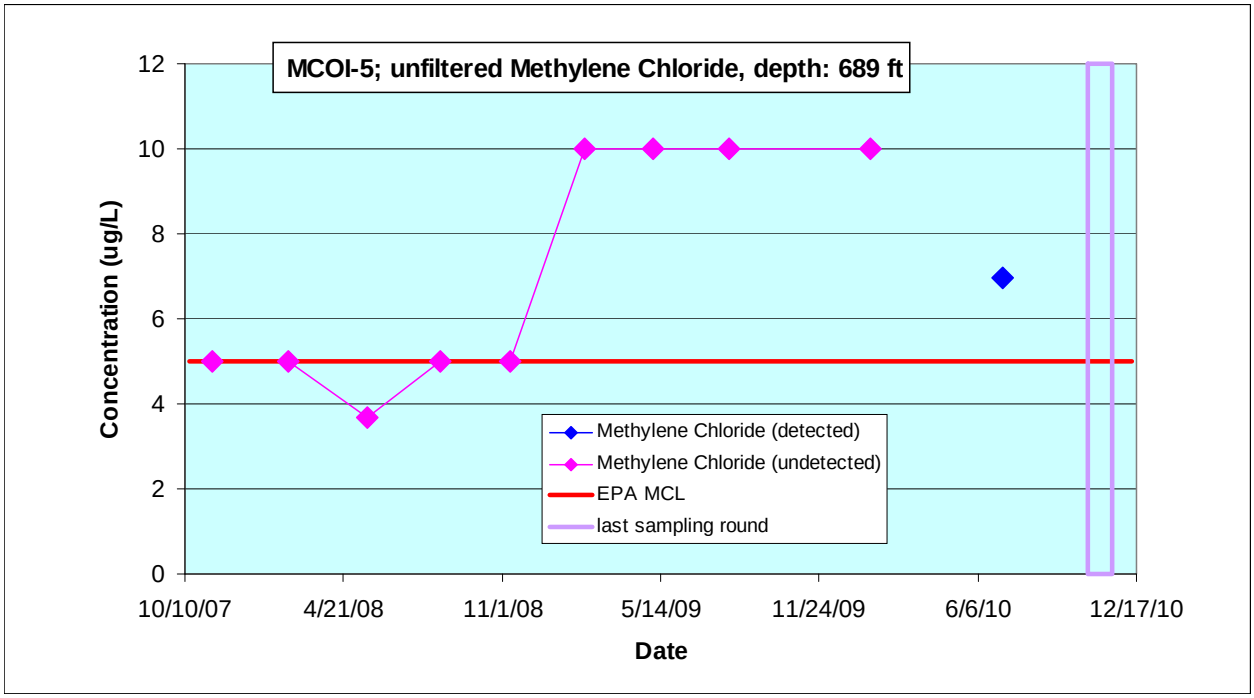

MCO-6; unfiltered Strontium-90, depth: 27 ft
Concentration (pCi/L)
50
45
40
35
30
25
20
15
10
5
0
Strontium-90 (all results were detected)
EPA MCL
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

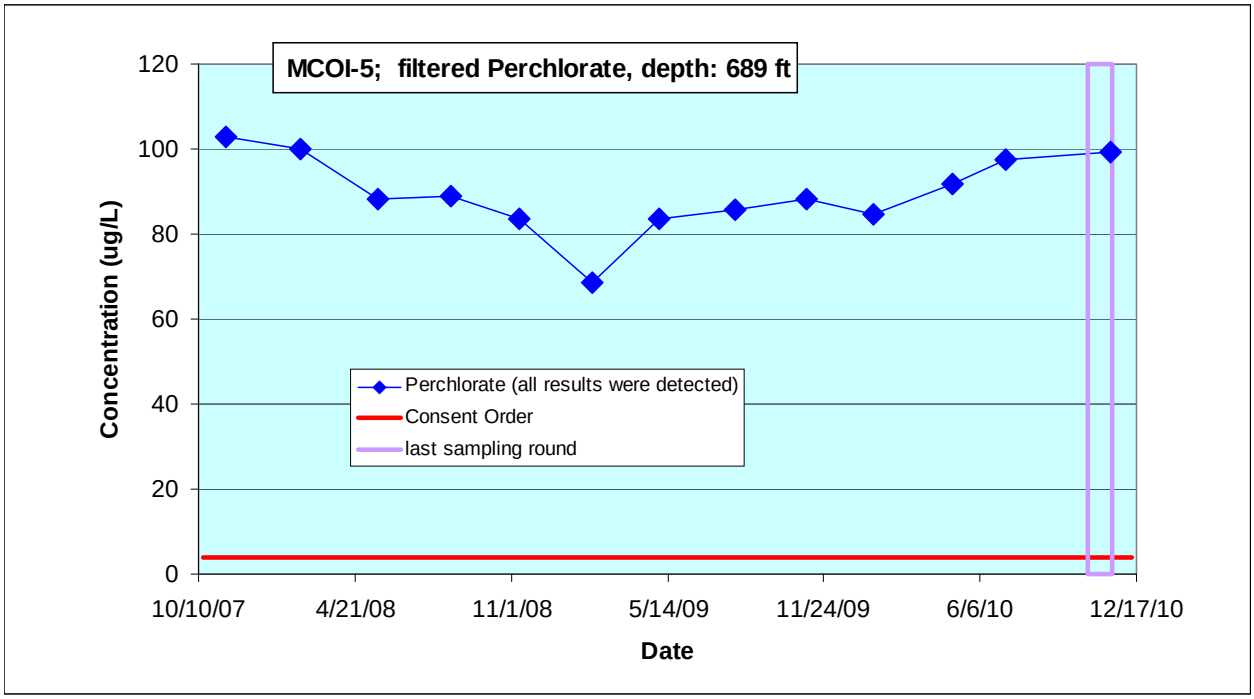

MCO-7; filtered Perchlorate, depth: 39 ft
Concentration (ug/L)
35
30
25
20
15
10
5
0
Perchlorate (all results were detected)
Consent Order
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

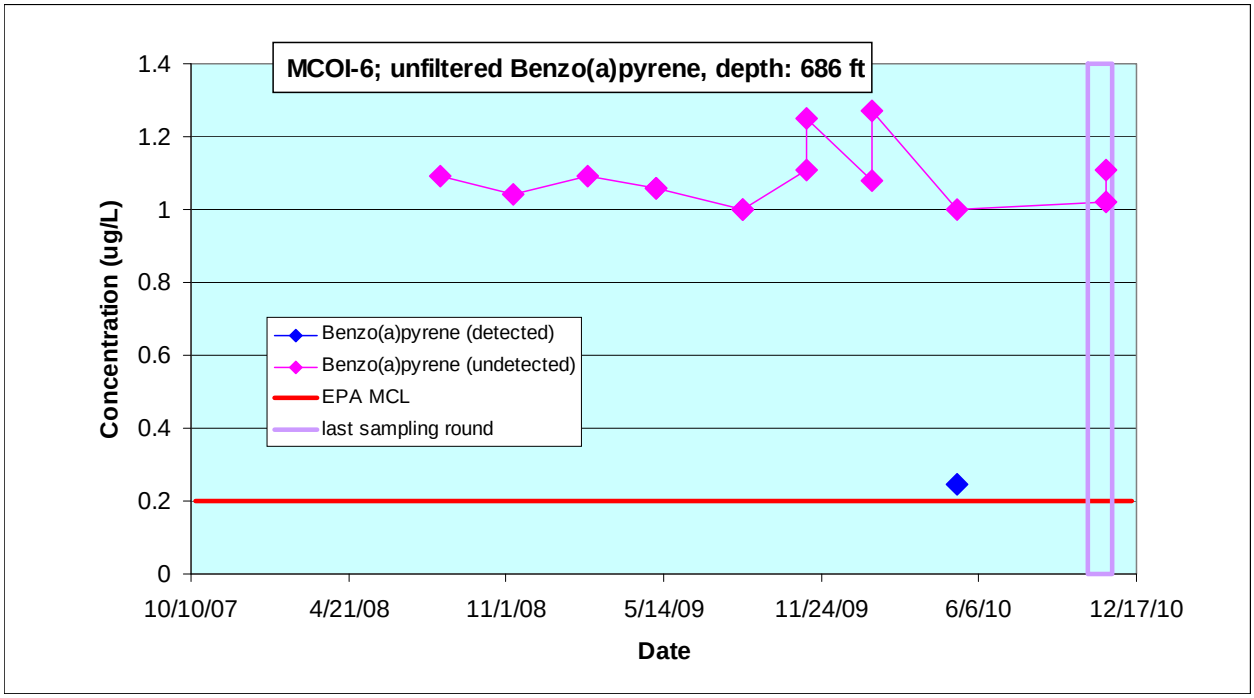

MCO-7.5; filtered Perchlorate, depth: 35 ft
Concentration (ug/L)
30
25
20
15
10
5
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

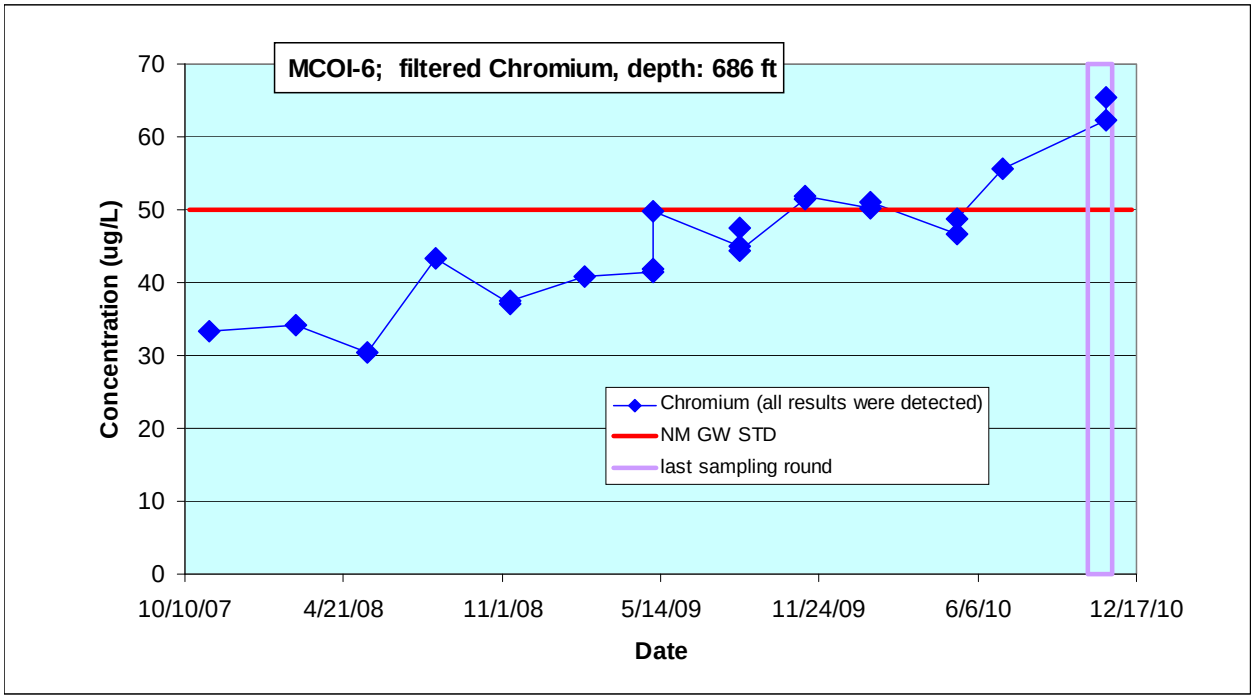

MCOI-4; filtered Perchlorate, depth: 499 ft
Concentration (ug/L)
120
100
80
60
40
20
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

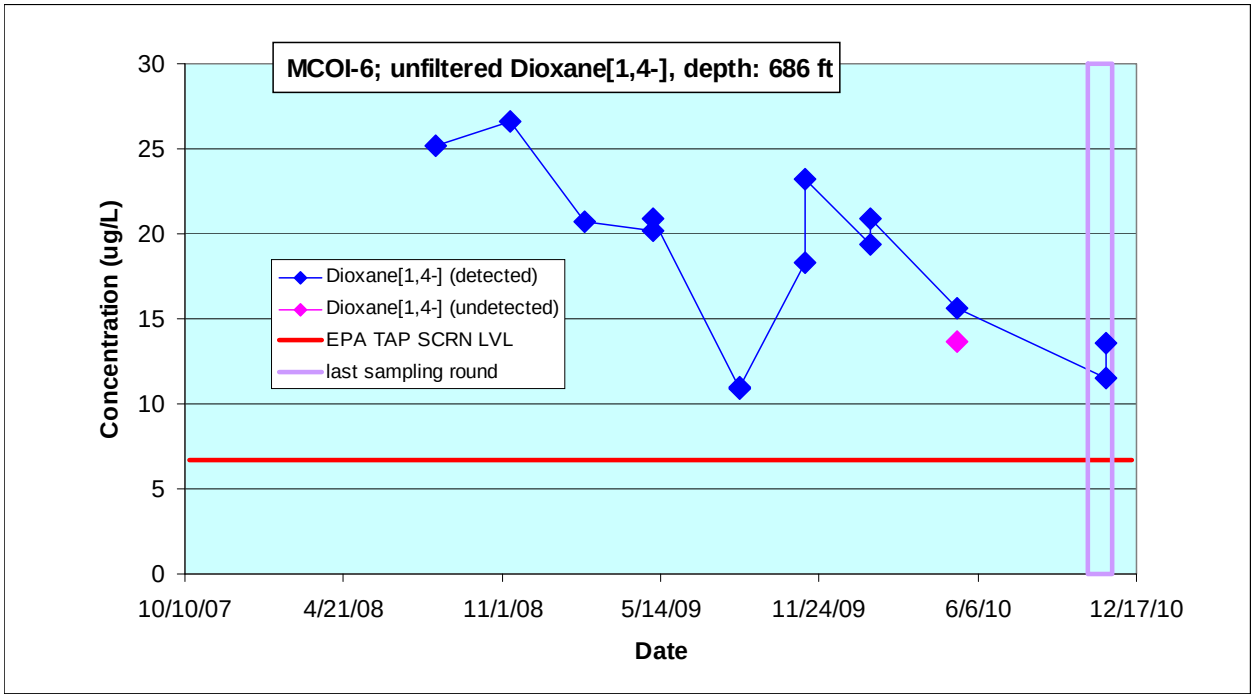

MCOI-5; unfiltered Dioxane[1,4-], depth: 689 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
10
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA TAP SCRN LVL
last sampling round

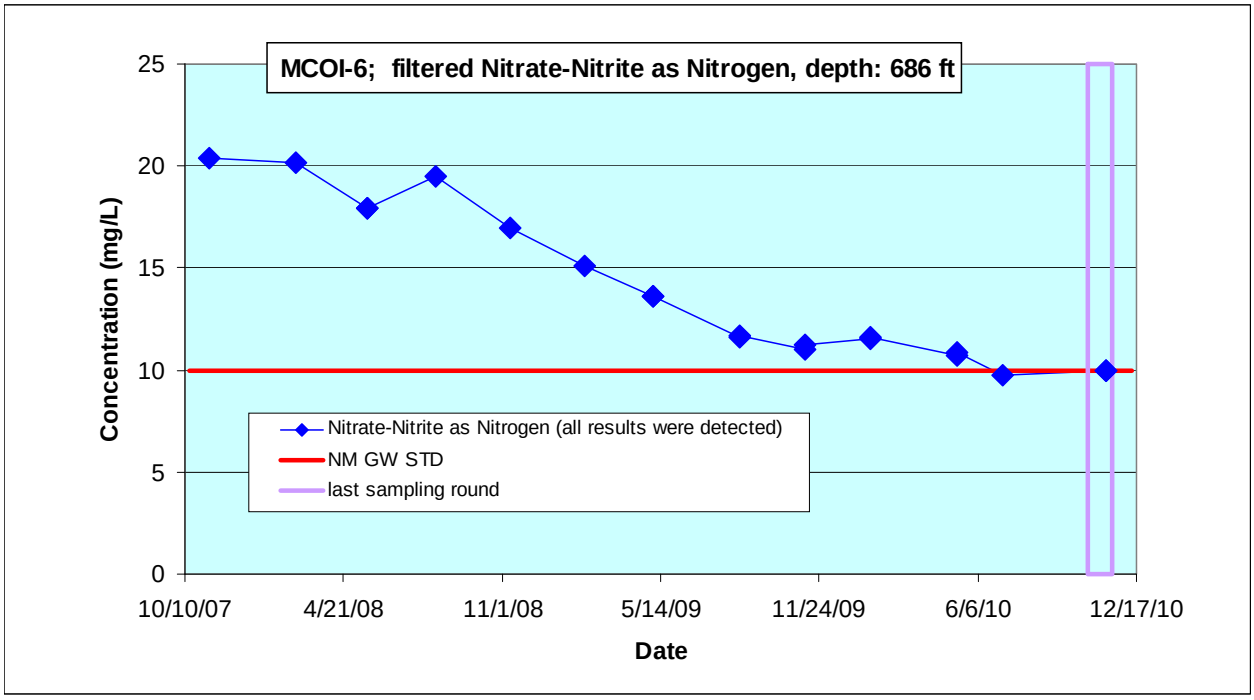

MCOI-5; unfiltered Methylene Chloride, depth: 689 ft
Concentration (ug/L)
0
2
4
6
8
10
12
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Methylene Chloride (detected)
Methylene Chloride (undetected)
EPA MCL
last sampling round

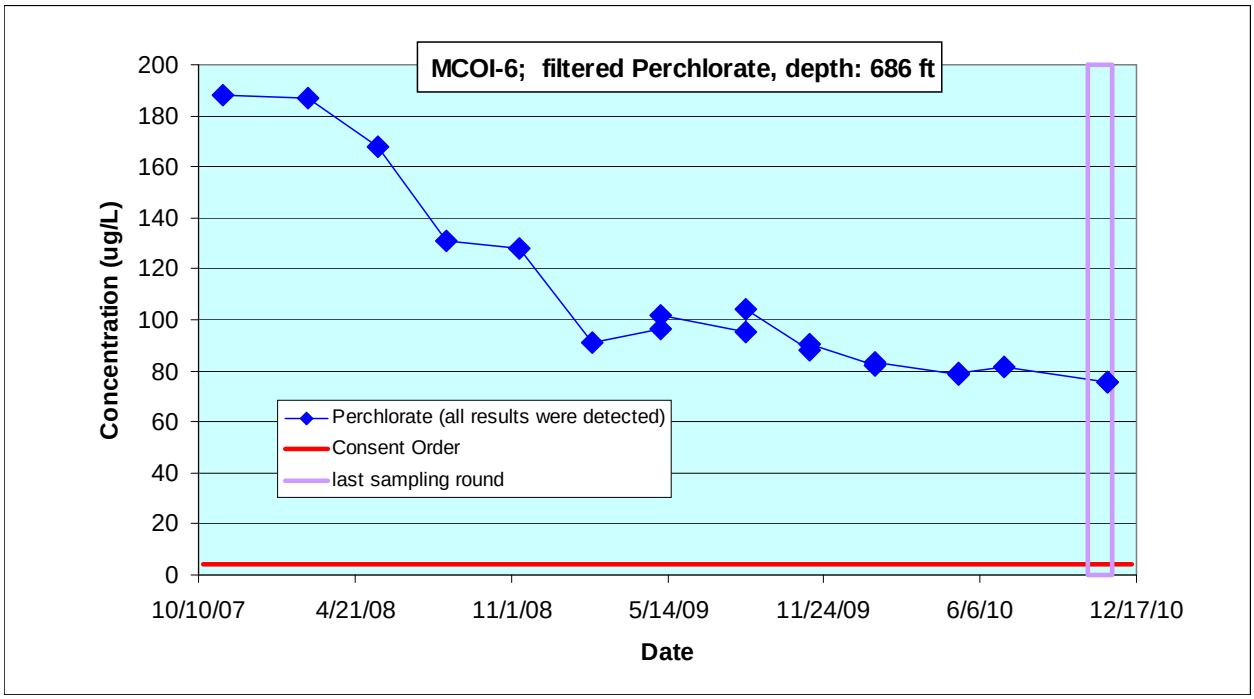

MCOI-5; filtered Perchlorate, depth: 689 ft
Concentration (ug/L)
120
100
80
60
40
20
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

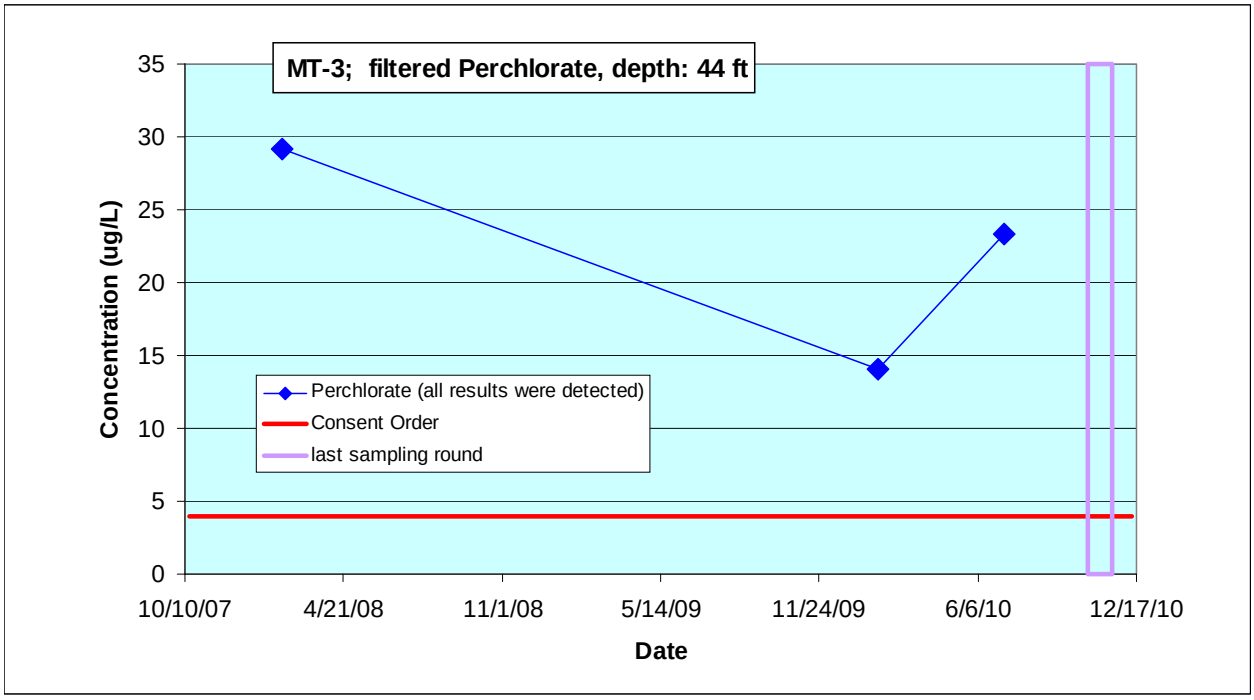

MCOI-6; unfiltered Benzo(a)pyrene, depth: 686 ft
Concentration (ug/L)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Benzo(a)pyrene (detected)
Benzo(a)pyrene (undetected)
EPA MCL
last sampling round

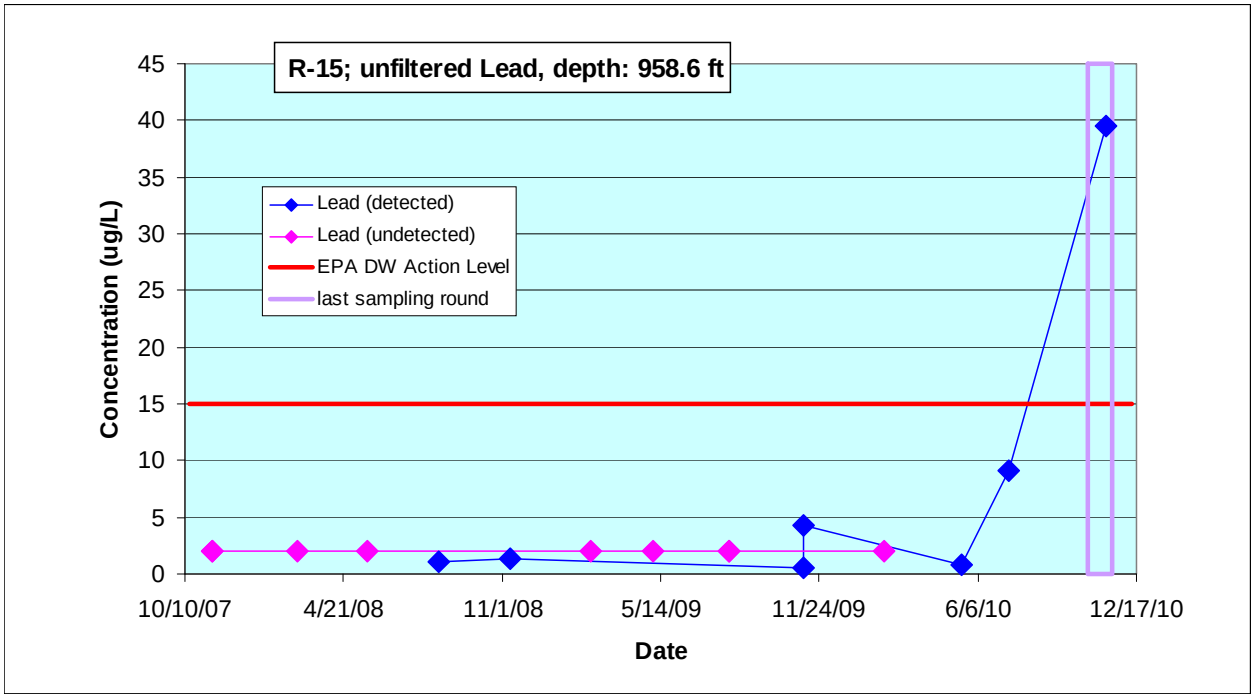

MCOI-6; filtered Chromium, depth: 686 ft
Concentration (ug/L)
70
60
50
40
30
20
10
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Chromium (all results were detected)
NM GW STD
last sampling round

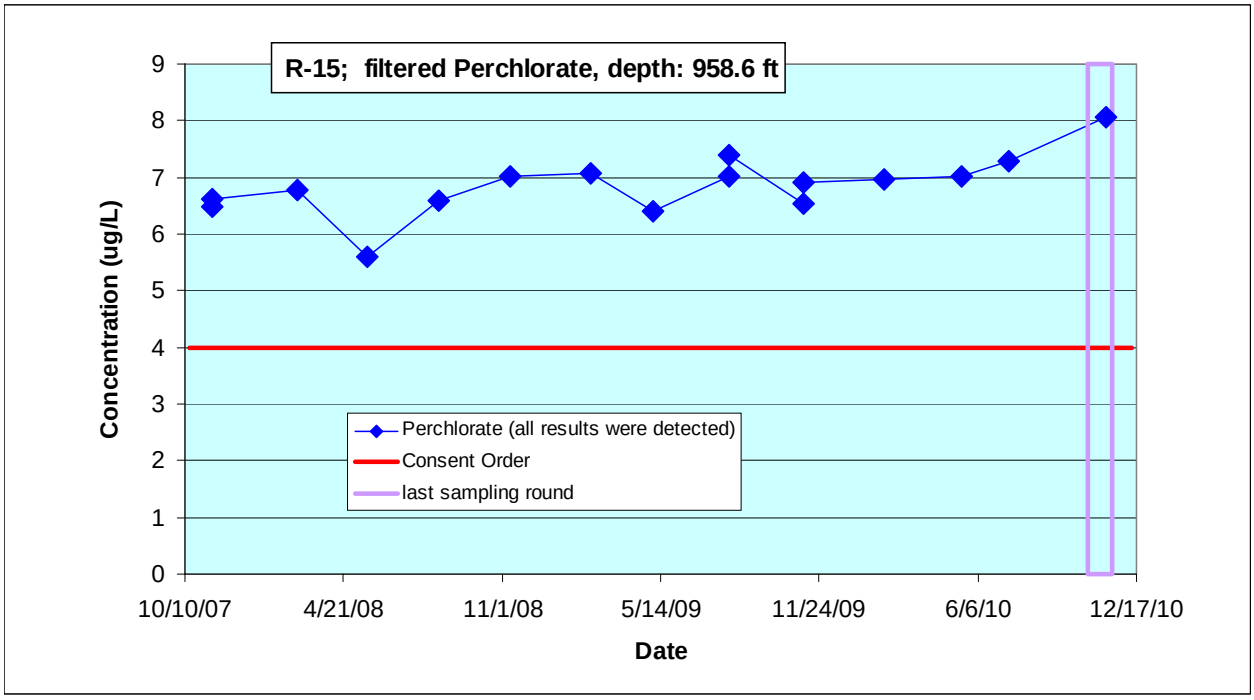

MCOI-6; unfiltered Dioxane[1,4-], depth: 686 ft
Concentration (ug/L)
30
25
20
15
10
5
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Dioxane[1,4-] (detected)
Dioxane[1,4-] (undetected)
EPA TAP SCRN LVL
last sampling round

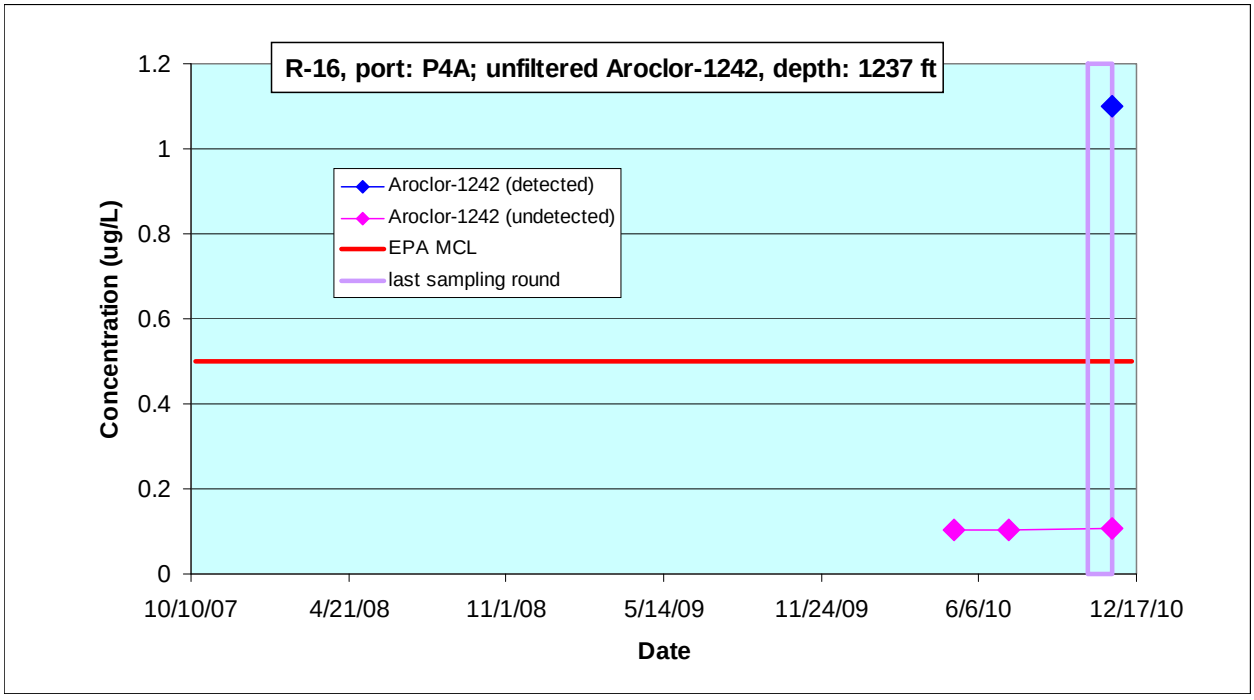

MCOI-6; filtered Nitrate-Nitrite as Nitrogen, depth: 686 ft
Concentration (mg/L)
25
20
15
10
5
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Nitrate-Nitrite as Nitrogen (all results were detected)
NM GW STD
last sampling round

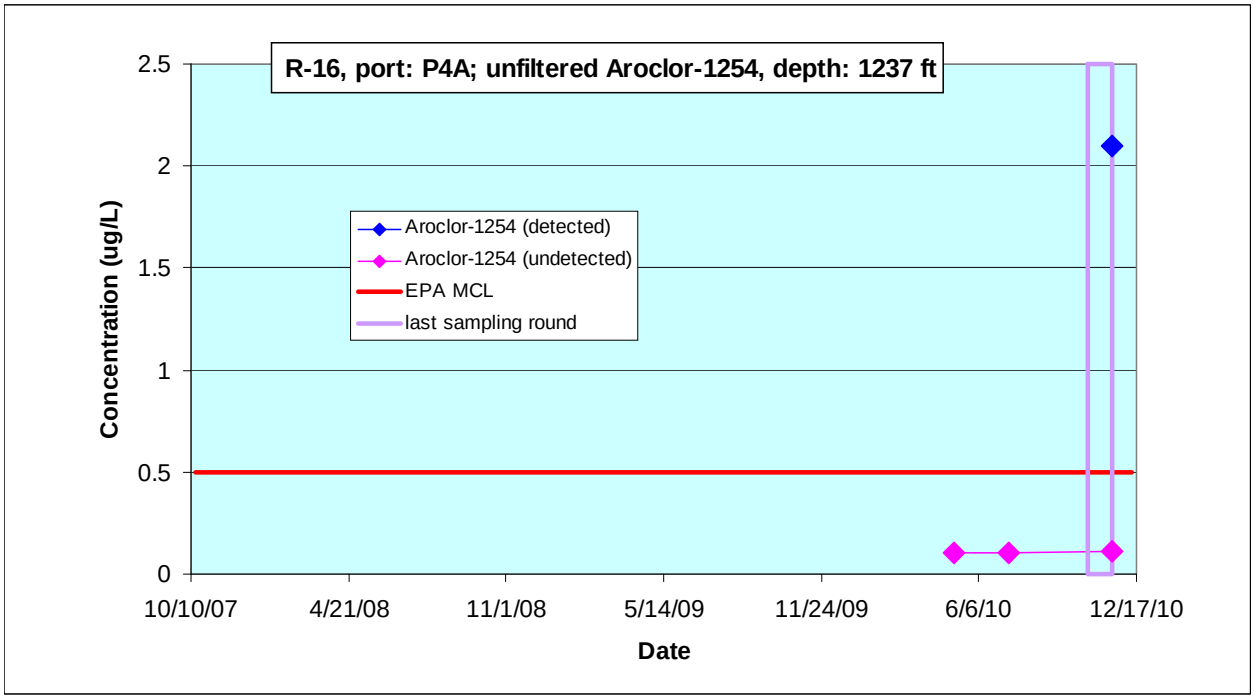

MCOI-6; filtered Perchlorate, depth: 686 ft
Concentration (ug/L)
200
180
160
140
120
100
80
60
40
20
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

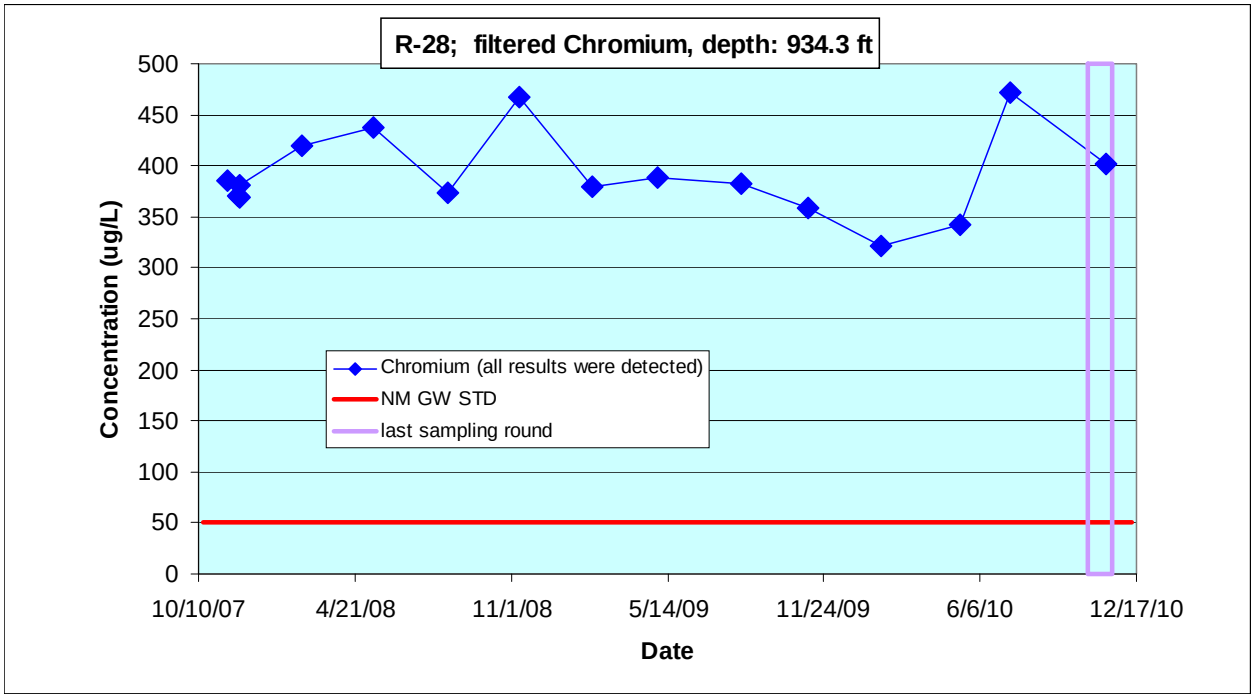

MT-3; filtered Perchlorate, depth: 44 ft
Concentration (ug/L)
35
30
25
20
15
10
5
0
Perchlorate (all results were detected)
Consent Order
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

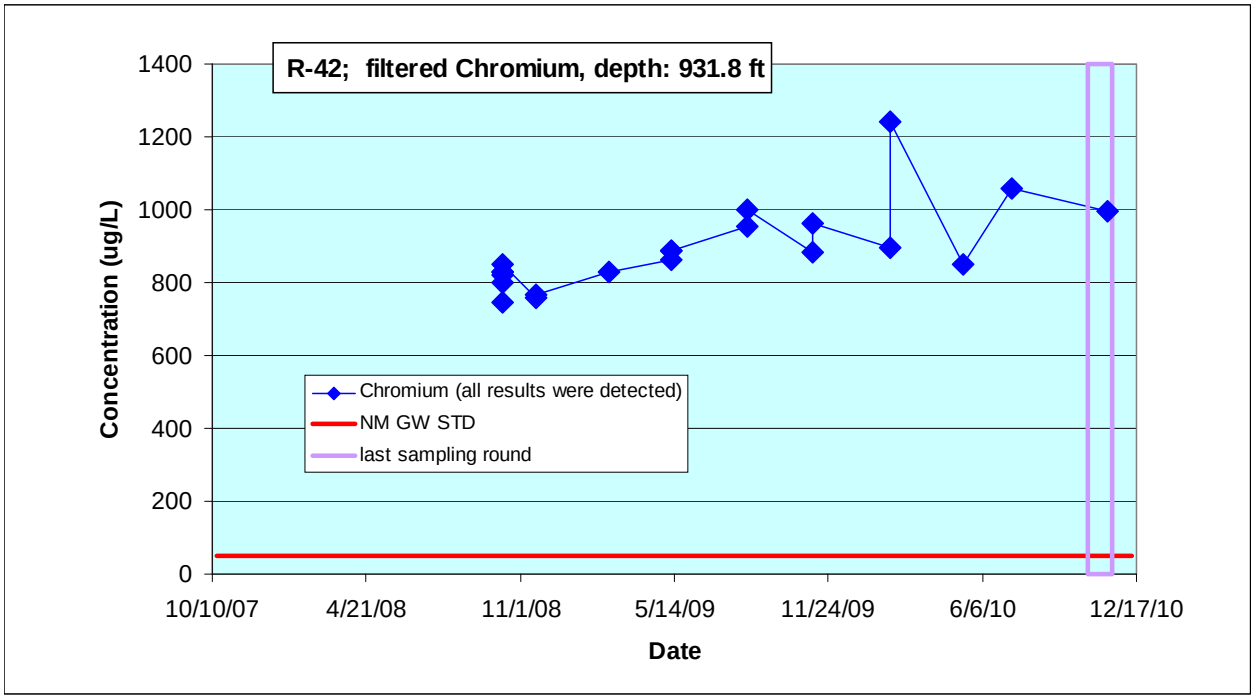

R-15; unfiltered Lead, depth: 958.6 ft
Concentration (ug/L)
45
40
35
30
25
20
15
10
5
0
Lead (detected)
Lead (undetected)
EPA DW Action Level
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

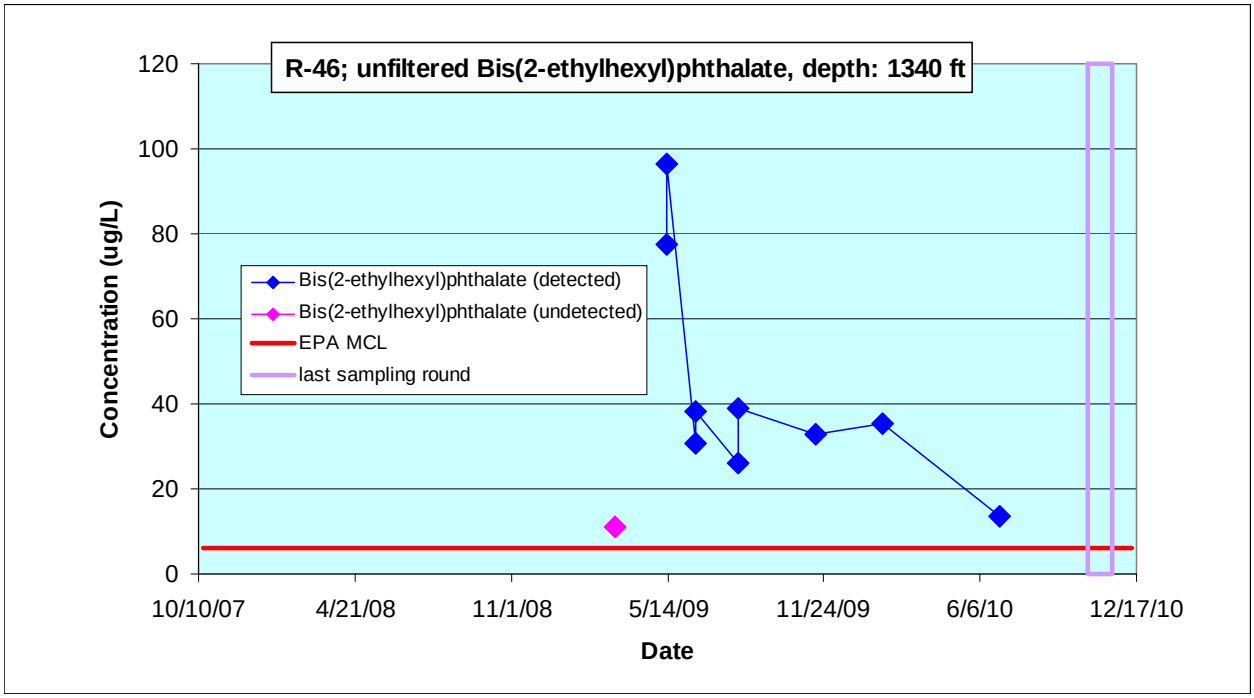

R-15; filtered Perchlorate, depth: 958.6 ft
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Perchlorate (all results were detected)
Consent Order
last sampling round

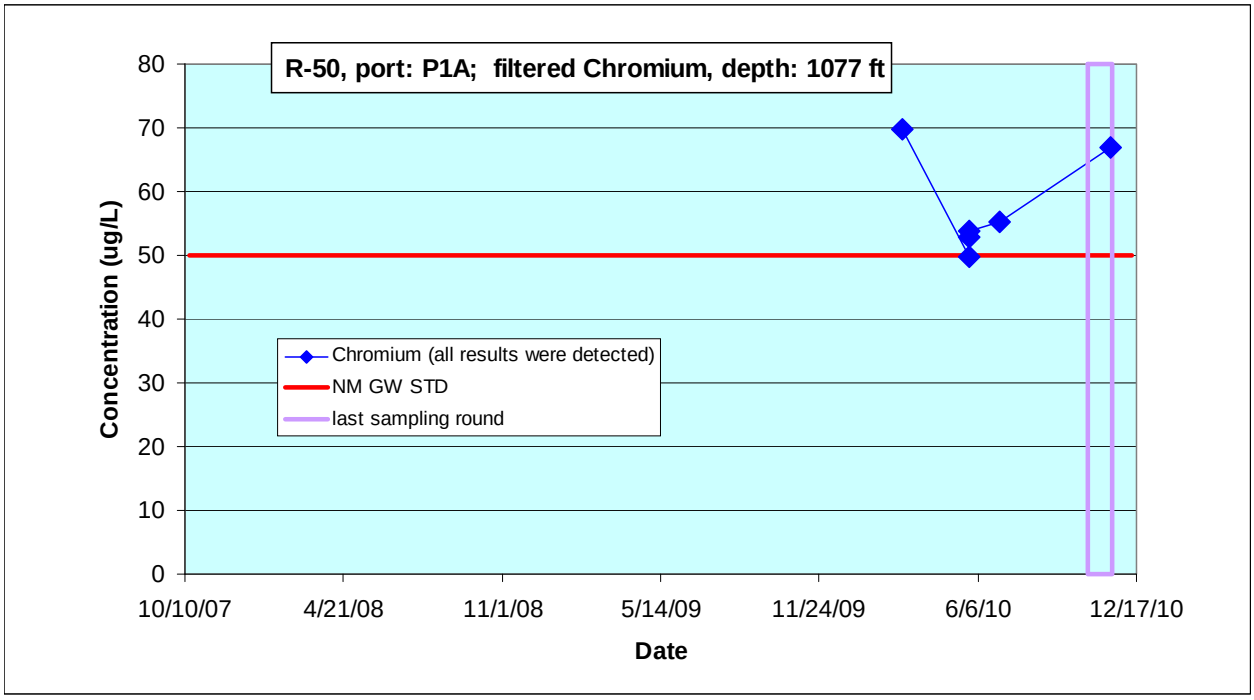

R-16, port: P4A; unfiltered Aroclor-1242, depth: 1237 ft
Concentration (ug/L)
0
0.2
0.4
0.6
0.8
1
1.2
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Aroclor-1242 (detected)
Aroclor-1242 (undetected)
EPA MCL
last sampling round


R-16, port: P4A; unfiltered Aroclor-1254, depth: 1237 ft
Concentration (ug/L)
2.5
2
1.5
1
0.5
0
Aroclor-1254 (detected)
Aroclor-1254 (undetected)
EPA MCL
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

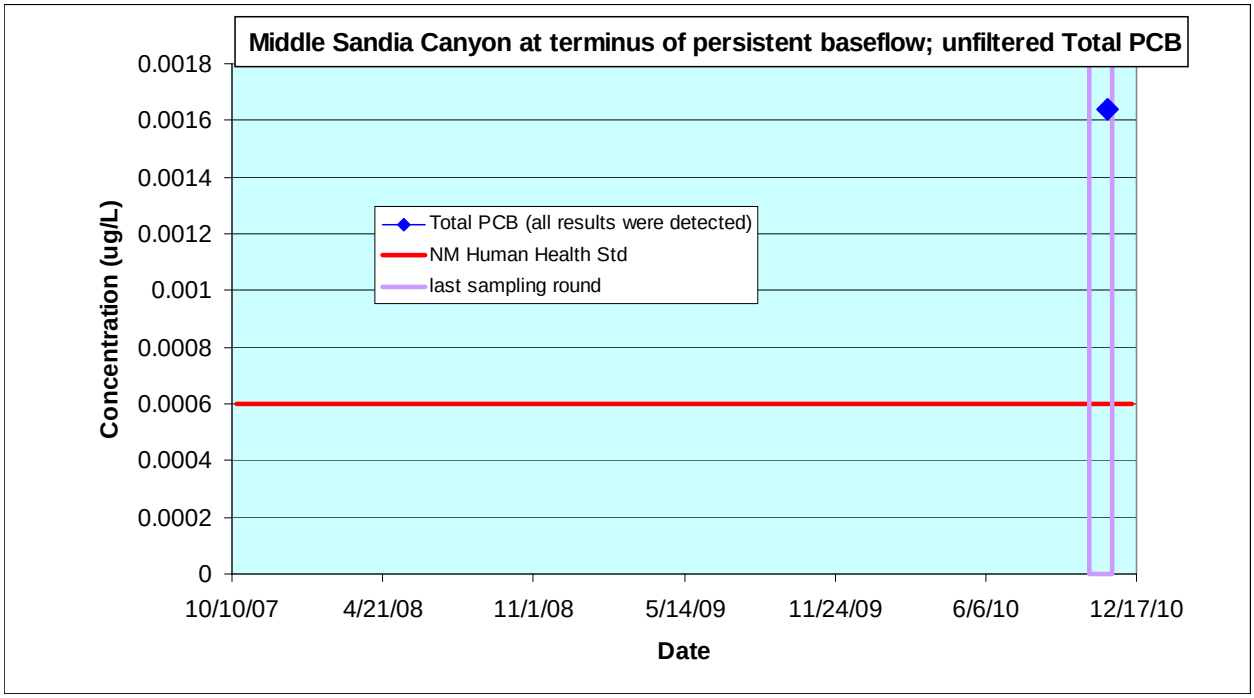

R-28; filtered Chromium, depth: 934.3 ft
Concentration (ug/L)
500
450
400
350
300
250
200
150
100
50
0
Chromium (all results were detected)
NM GW STD
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

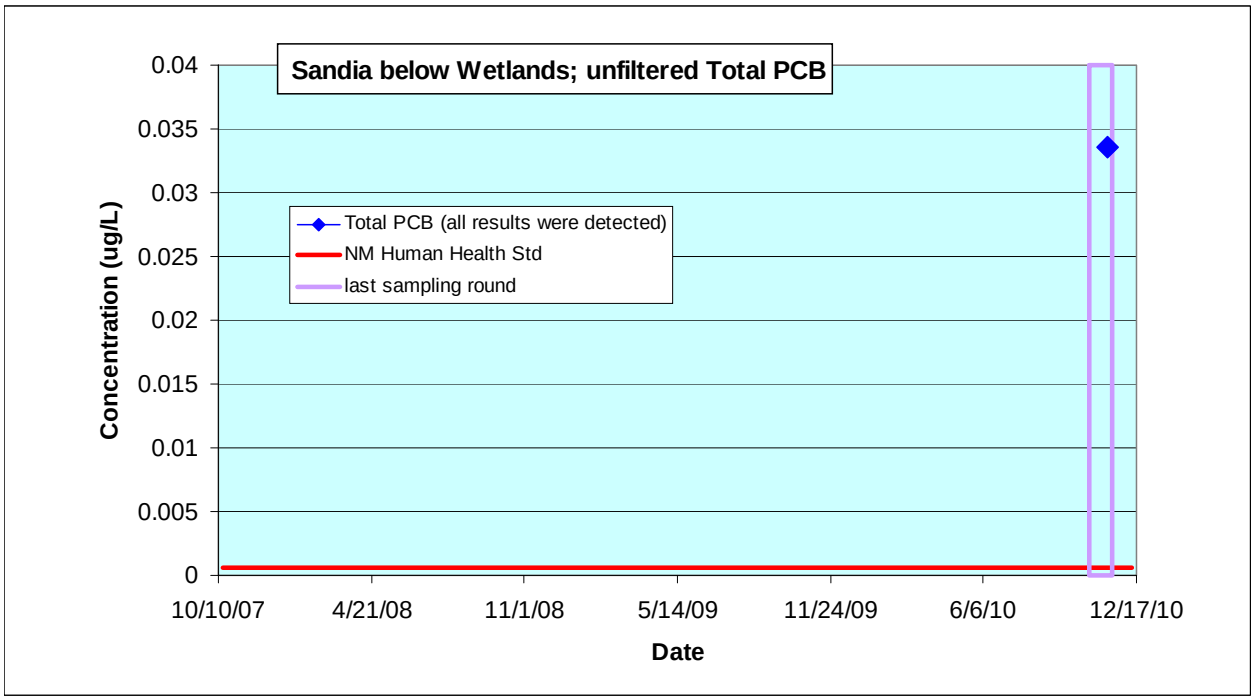

R-42; filtered Chromium, depth: 931.8 ft
Concentration (ug/L)
1400
1200
1000
800
600
400
200
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Chromium (all results were detected)
NM GW STD
last sampling round

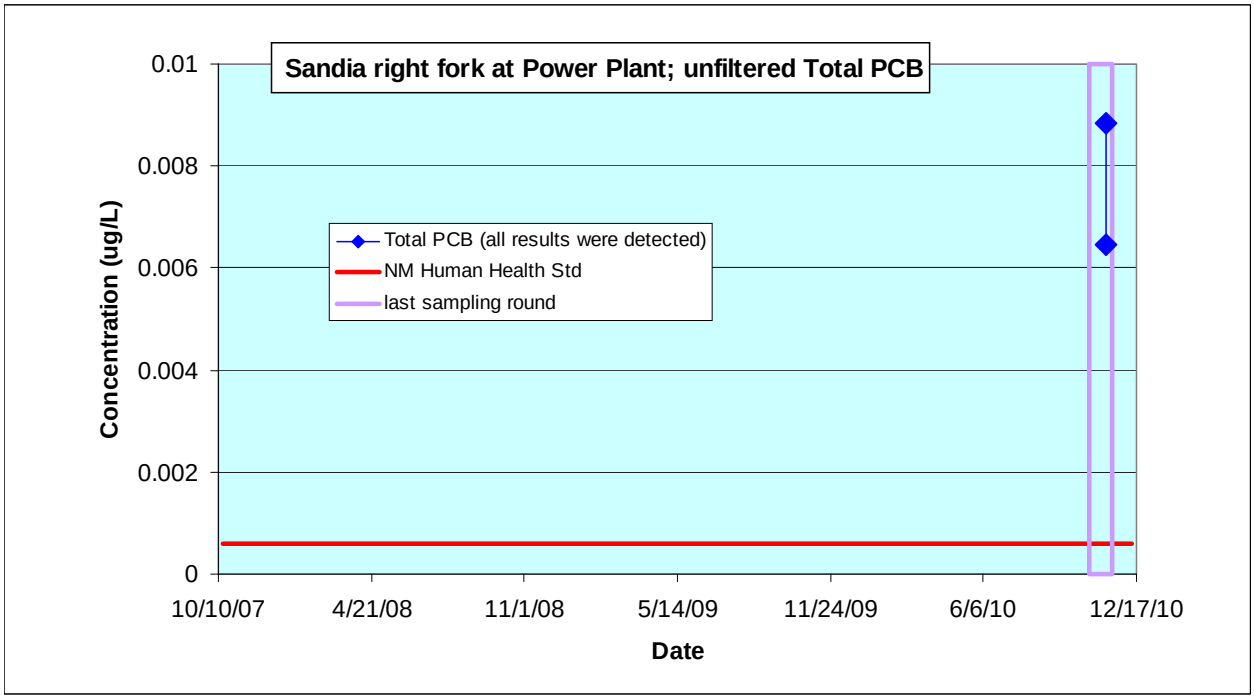

R-46; unfiltered Bis(2-ethylhexyl)phthalate, depth: 1340 ft
Concentration (ug/L)
120
100
80
60
40
20
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Bis(2-ethylhexyl)phthalate (detected)
Bis(2-ethylhexyl)phthalate (undetected)
EPA MCL
last sampling round

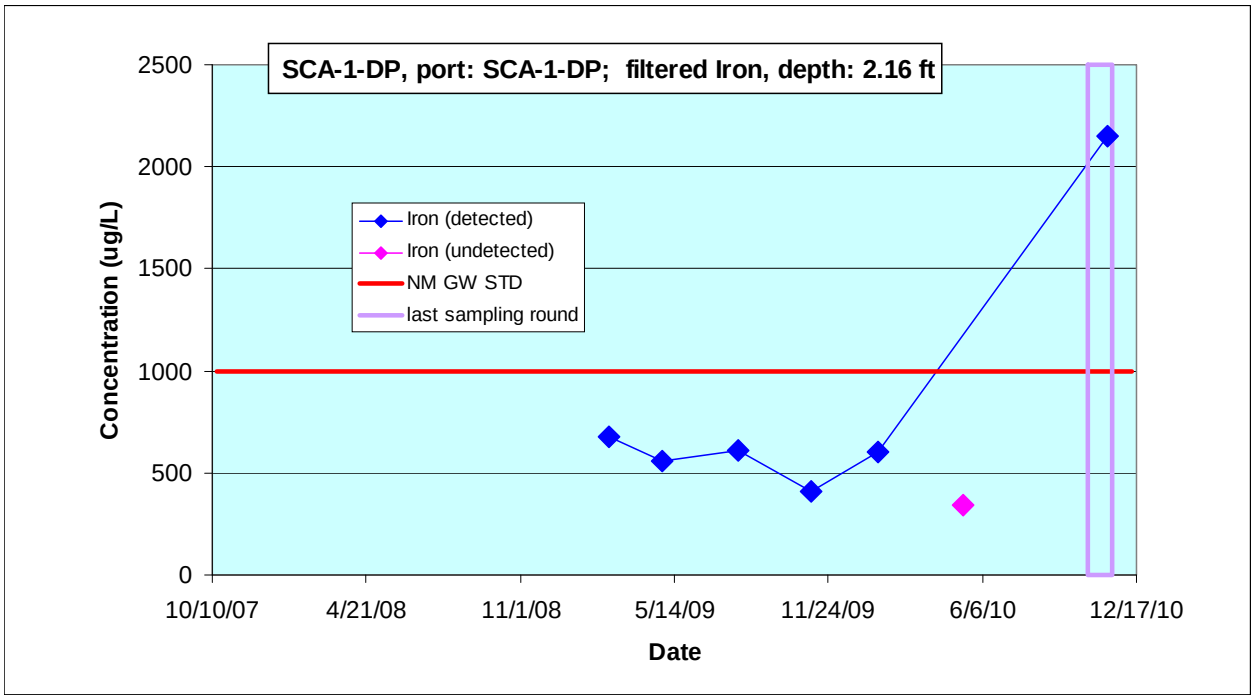

R-50, port: P1A; filtered Chromium, depth: 1077 ft
Concentration (ug/L)
80
70
60
50
40
30
20
10
0
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date
Chromium (all results were detected)
NM GW STD
last sampling round

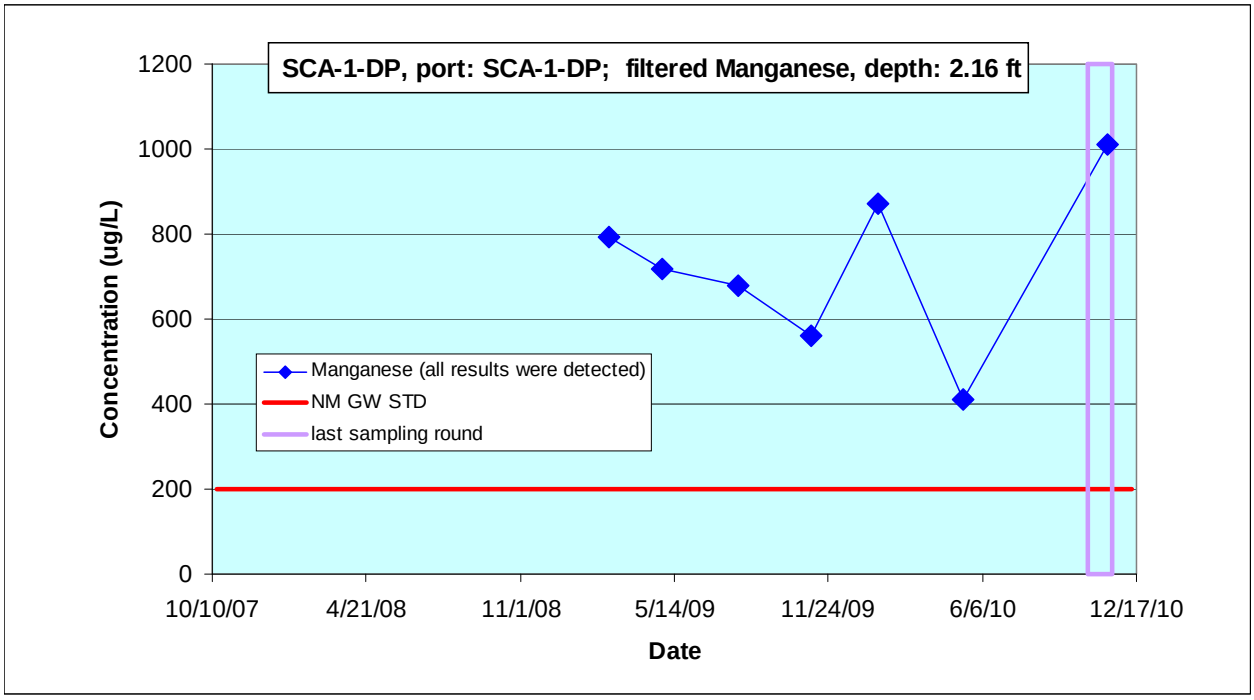
E-2 SANDIA WATERSHED

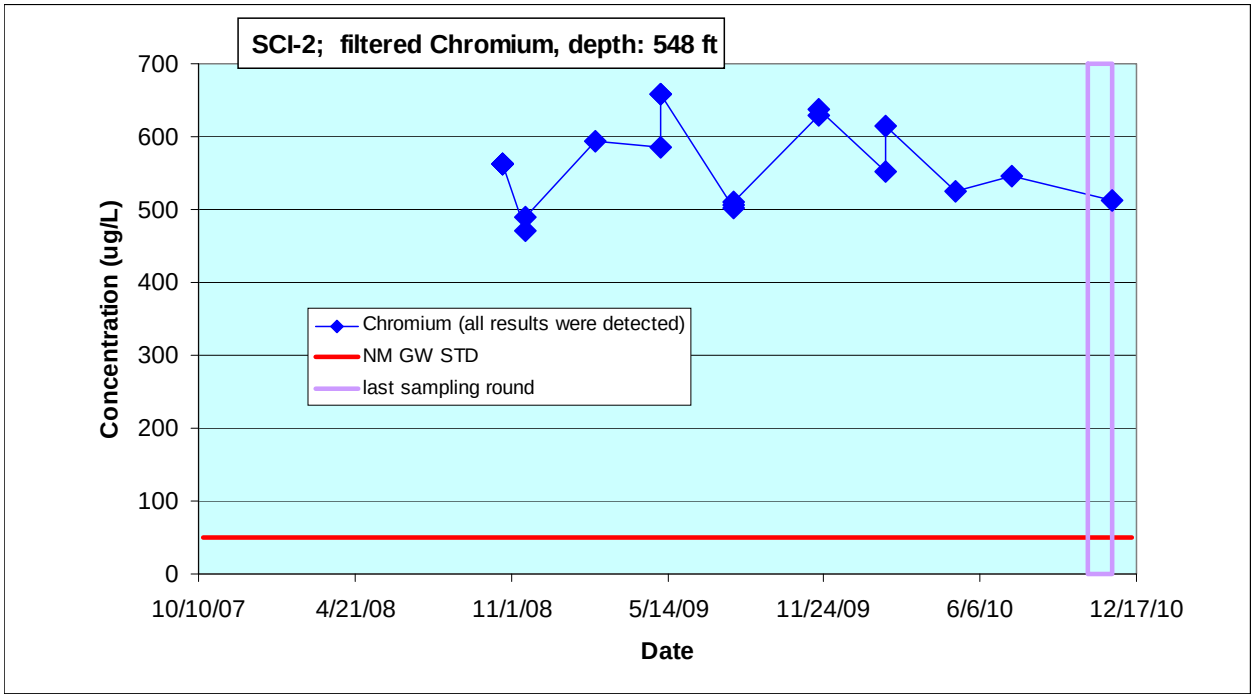


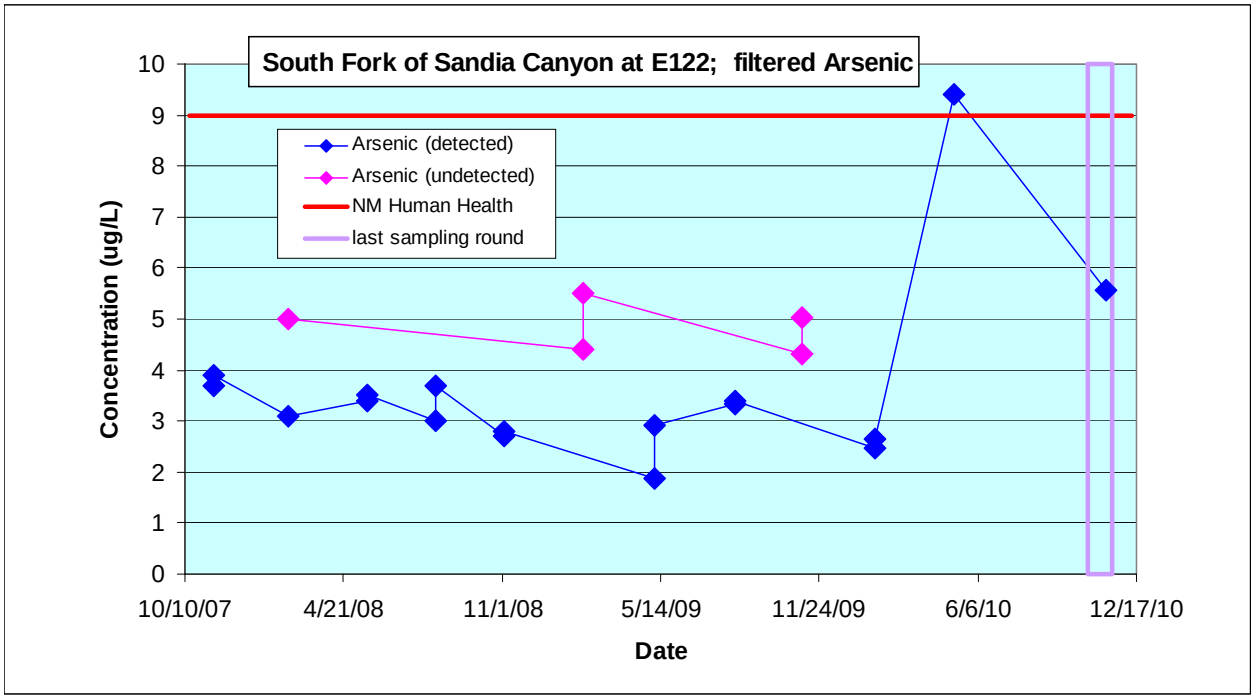


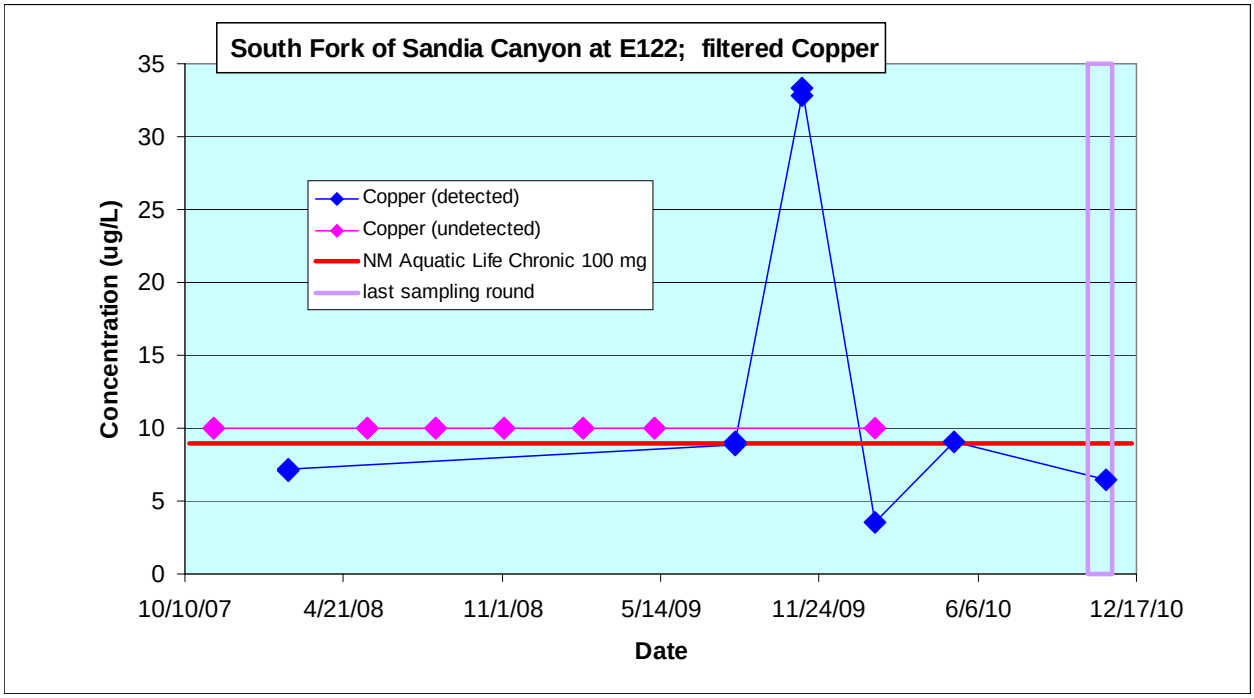

Sandia right fork at Power Plant; unfiltered Total PCB
Concentration (ug/L)
0.01
0.008
0.006
0.004
0.002
0
Total PCB (all results were detected)
NM Human Health Std
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

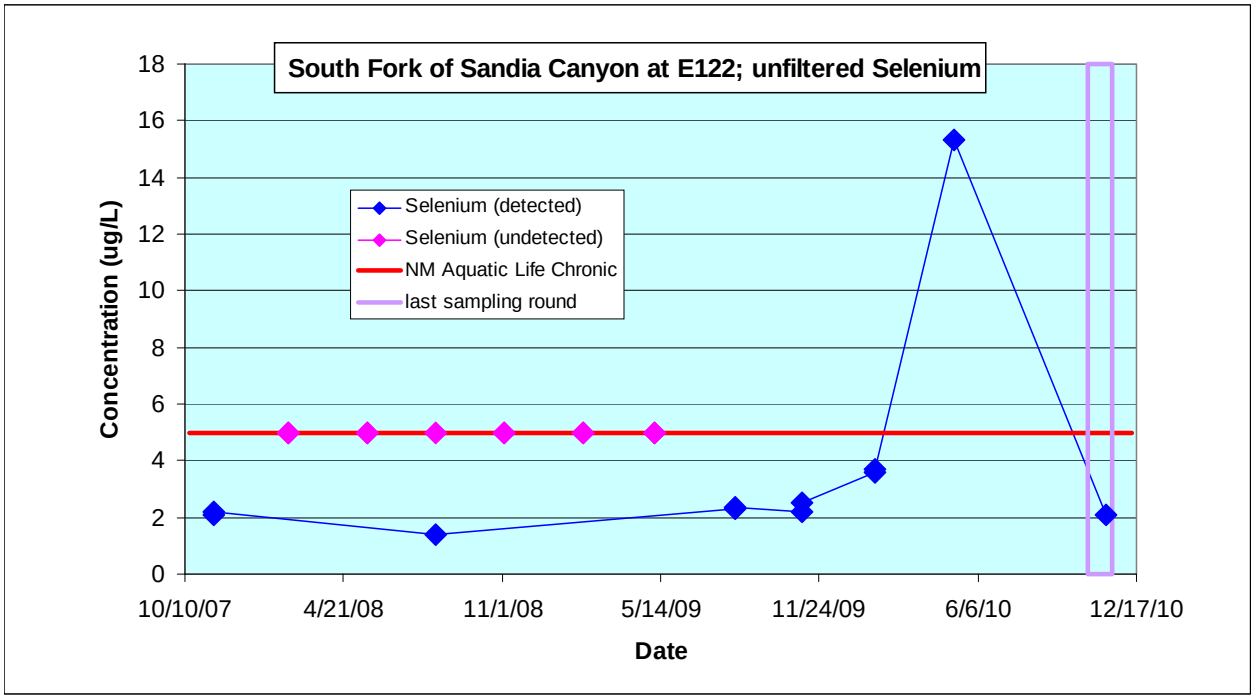

SCA-1-DP, port: SCA-1-DP; filtered Iron, depth: 2.16 ft
Concentration (ug/L)
2500
2000
1500
1000
500
0
Iron (detected)
Iron (undetected)
NM GW STD
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

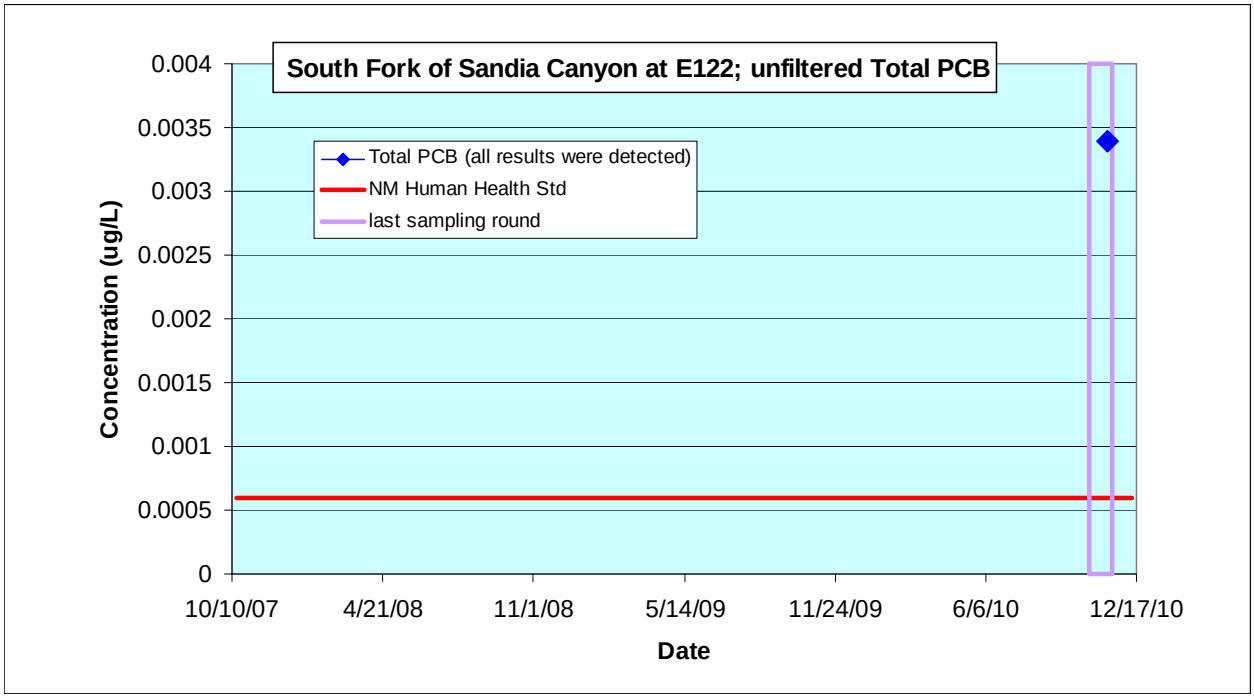

SCA-1-DP, port: SCA-1-DP; filtered Manganese, depth: 2.16 ft
Concentration (ug/L)
1200
1000
800
600
400
200
0
Manganese (all results were detected)
NM GW STD
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date


SCI-2; filtered Chromium, depth: 548 ft
Concentration (ug/L)
700
600
500
400
300
200
100
0
Chromium (all results were detected)
NM GW STD
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date


South Fork of Sandia Canyon at E122; filtered Arsenic
Arsenic (detected)
Arsenic (undetected)
NM Human Health
last sampling round
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
9
10
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date


South Fork of Sandia Canyon at E122; filtered Copper
Copper (detected)
Copper (undetected)
NM Aquatic Life Chronic 100 mg
last sampling round
Concentration (ug/L)
0
5
10
15
20
25
30
35
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date


South Fork of Sandia Canyon at E122; unfiltered Selenium
Concentration (ug/L)
18
16
14
12
10
8
6
4
2
0
Selenium (detected)
Selenium (undetected)
NM Aquatic Life Chronic
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date


South Fork of Sandia Canyon at E122; unfiltered Total PCB
Concentration (ug/L)
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
Total PCB (all results were detected)
NM Human Health Std
last sampling round
10/10/07
4/21/08
11/1/08
5/14/09
11/24/09
6/6/10
12/17/10
Date

Appendix F

Analytical Reports
(on DVD included with this document)

DVD Table of Contents

F-1 MORTANDAD WATERSHED

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-451	GENINORG[a]	GELC	CAMO-11-1267	11/9/2010	R-15	958.6
11-451	GENINORG	GELC	CAMO-11-1268	11/9/2010	R-15	958.6
11-451	GENINORG	GELC	CAMO-11-1269	11/9/2010	R-13	958.3
11-451	GENINORG	GELC	CAMO-11-1270	11/9/2010	R-13	958.3
11-451	METALS	GELC	CAMO-11-1267	11/9/2010	R-15	958.6
11-451	METALS	GELC	CAMO-11-1268	11/9/2010	R-15	958.6
11-451	METALS	GELC	CAMO-11-1269	11/9/2010	R-13	958.3
11-451	METALS	GELC	CAMO-11-1270	11/9/2010	R-13	958.3
11-451	SVOA[b]	GELC	CAMO-11-1268	11/9/2010	R-15	958.6
11-467	GENINORG	GELC	CAMO-11-1271	11/10/2010	R-28	934.3
11-467	GENINORG	GELC	CAMO-11-1272	11/10/2010	R-28	934.3
11-467	GENINORG	GELC	CAMO-11-1273	11/10/2010	R-42	931.8
11-467	GENINORG	GELC	CAMO-11-1274	11/10/2010	R-42	931.8
11-467	METALS	GELC	CAMO-11-1271	11/10/2010	R-28	934.3
11-467	METALS	GELC	CAMO-11-1272	11/10/2010	R-28	934.3
11-467	METALS	GELC	CAMO-11-1273	11/10/2010	R-42	931.8
11-467	METALS	GELC	CAMO-11-1274	11/10/2010	R-42	931.8
11-467	SVOA	GELC	CAMO-11-1273	11/10/2010	R-42	931.8
11-471	GENINORG	GELC	CAMO-11-1255	11/10/2010	MCOI-6	686
11-471	GENINORG	GELC	CAMO-11-1256	11/10/2010	MCOI-6	686
11-471	GENINORG	GELC	CAMO-11-1257	11/10/2010	MCOI-6	686
11-471	GENINORG	GELC	CAMO-11-1258	11/10/2010	MCOI-6	686
11-471	METALS	GELC	CAMO-11-1255	11/10/2010	MCOI-6	686
11-471	METALS	GELC	CAMO-11-1256	11/10/2010	MCOI-6	686
11-471	METALS	GELC	CAMO-11-1257	11/10/2010	MCOI-6	686
11-471	METALS	GELC	CAMO-11-1258	11/10/2010	MCOI-6	686
11-471	RAD[c]	GELC	CAMO-11-1256	11/10/2010	MCOI-6	686
11-471	RAD	GELC	CAMO-11-1258	11/10/2010	MCOI-6	686
11-471	SVOA	GELC	CAMO-11-1256	11/10/2010	MCOI-6	686
11-471	SVOA	GELC	CAMO-11-1258	11/10/2010	MCOI-6	686
11-471	SVOA	GELC	CAMO-11-1259	11/10/2010	MCOI-6	686
11-493	GENINORG	GELC	CAMO-11-1289	11/11/2010	R-16r	600
11-493	GENINORG	GELC	CAMO-11-1290	11/11/2010	R-16r	600
11-493	METALS	GELC	CAMO-11-1289	11/11/2010	R-16r	600
11-493	METALS	GELC	CAMO-11-1290	11/11/2010	R-16r	600
11-493	VOA[d]	GELC	CAMO-11-1289	11/11/2010	R-16r	600
11-493	VOA	GELC	CAMO-11-1291	11/11/2010	R-16r	600

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-495	GENINORG	GELC	CAMO-11-1240	11/11/2010	E-1FW	—[e]
11-495	GENINORG	GELC	CAMO-11-1241	11/11/2010	E-1FW	—
11-495	METALS	GELC	CAMO-11-1240	11/11/2010	E-1FW	—
11-495	METALS	GELC	CAMO-11-1241	11/11/2010	E-1FW	—
11-495	RAD	GELC	CAMO-11-1240	11/11/2010	E-1FW	—
11-495	SVOA	GELC	CAMO-11-1240	11/11/2010	E-1FW	—
11-495	VOA	GELC	CAMO-11-1240	11/11/2010	E-1FW	—
11-495	VOA	GELC	CAMO-11-1242	11/11/2010	E-1FW	—
11-499	GENINORG	GELC	CAMO-11-1260	11/12/2010	R-1	1031.1
11-499	GENINORG	GELC	CAMO-11-1262	11/12/2010	R-1	1031.1
11-499	METALS	GELC	CAMO-11-1260	11/12/2010	R-1	1031.1
11-499	METALS	GELC	CAMO-11-1262	11/12/2010	R-1	1031.1
11-499	VOA	GELC	CAMO-11-1261	11/12/2010	R-1	1031.1
11-499	VOA	GELC	CAMO-11-1262	11/12/2010	R-1	1031.1
11-507	GENINORG	GELC	CAMO-11-1264	11/12/2010	R-14	1200.6
11-507	GENINORG	GELC	CAMO-11-1265	11/12/2010	R-14	1200.6
11-507	GENINORG	GELC	CAMO-11-1284	11/12/2010	R-46	1340
11-507	GENINORG	GELC	CAMO-11-1285	11/12/2010	R-46	1340
11-507	METALS	GELC	CAMO-11-1264	11/12/2010	R-14	1200.6
11-507	METALS	GELC	CAMO-11-1265	11/12/2010	R-14	1200.6
11-507	METALS	GELC	CAMO-11-1284	11/12/2010	R-46	1340
11-507	METALS	GELC	CAMO-11-1285	11/12/2010	R-46	1340
11-507	VOA	GELC	CAMO-11-1263	11/12/2010	R-14	1200.6
11-507	VOA	GELC	CAMO-11-1265	11/12/2010	R-14	1200.6
11-507	VOA	GELC	CAMO-11-1283	11/12/2010	R-46	1340
11-507	VOA	GELC	CAMO-11-1285	11/12/2010	R-46	1340
11-520	DIOX/FUR[f]	CFA	CAMO-11-1240	11/11/2010	E-1FW	—
11-531	GENINORG	GELC	CAMO-11-1253	11/15/2010	MCOI-5	689
11-531	GENINORG	GELC	CAMO-11-1254	11/15/2010	MCOI-5	689
11-531	METALS	GELC	CAMO-11-1253	11/15/2010	MCOI-5	689
11-531	METALS	GELC	CAMO-11-1254	11/15/2010	MCOI-5	689
11-531	RAD	GELC	CAMO-11-1253	11/15/2010	MCOI-5	689
11-531	SVOA	GELC	CAMO-11-1253	11/15/2010	MCOI-5	689
11-549	GENINORG	GELC	CAMO-11-1247	11/16/2010	MCO-6	27
11-549	GENINORG	GELC	CAMO-11-1248	11/16/2010	MCO-6	27
11-549	GENINORG	GELC	CAMO-11-1249	11/16/2010	MCO-7	39
11-549	GENINORG	GELC	CAMO-11-1250	11/16/2010	MCO-7	39
11-549	METALS	GELC	CAMO-11-1247	11/16/2010	MCO-6	27
11-549	METALS	GELC	CAMO-11-1249	11/16/2010	MCO-7	39
11-560	DIOX/FUR	CFA	CAMO-11-1312	11/16/2010	R-50	1077
11-560	DIOX/FUR	CFA	CAMO-11-1314	11/16/2010	R-50	1185

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-560	DIOX/FUR	CFA	CAMO-11-1316	11/16/2010	R-50	1185
11-560	DIOX/FUR	CFA	CAMO-11-1317	11/16/2010	R-50	1185
11-561	HEXP[g]	STSL	CAMO-11-1312	11/16/2010	R-50	1077
11-561	HEXP	STSL	CAMO-11-1316	11/16/2010	R-50	1185
11-561	HEXP	STSL	CAMO-11-1317	11/16/2010	R-50	1185
11-562	GENINORG	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-562	GENINORG	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-562	GENINORG	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-562	HEXP	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-562	HEXP	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-562	HEXP	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-562	PEST/PCB[h]	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-562	PEST/PCB	GELC	CAMO-11-1314	11/16/2010	R-50	1185
11-562	PEST/PCB	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-562	PEST/PCB	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-562	SVOA	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-562	SVOA	GELC	CAMO-11-1314	11/16/2010	R-50	1185
11-562	SVOA	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-562	SVOA	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-562	VOA	GELC	CAMO-11-1311	11/16/2010	R-50	1077
11-562	VOA	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-562	VOA	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-562	VOA	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-562	VOA	GELC	CAMO-11-1318	11/16/2010	R-50	1185
11-563	GENINORG	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-563	GENINORG	GELC	CAMO-11-1313	11/16/2010	R-50	1077
11-563	GENINORG	GELC	CAMO-11-1315	11/16/2010	R-50	1185
11-563	GENINORG	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-563	GENINORG	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-563	GENINORG	GELC	CAMO-11-1319	11/16/2010	R-50	1185
11-563	METALS	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-563	METALS	GELC	CAMO-11-1313	11/16/2010	R-50	1077
11-563	METALS	GELC	CAMO-11-1315	11/16/2010	R-50	1185
11-563	METALS	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-563	METALS	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-563	METALS	GELC	CAMO-11-1319	11/16/2010	R-50	1185
11-563	RAD	GELC	CAMO-11-1312	11/16/2010	R-50	1077
11-563	RAD	GELC	CAMO-11-1316	11/16/2010	R-50	1185
11-563	RAD	GELC	CAMO-11-1317	11/16/2010	R-50	1185
11-576	GENINORG	GELC	CAMO-11-1243	11/17/2010	MCO-3	2
11-576	GENINORG	GELC	CAMO-11-1244	11/17/2010	MCO-3	2

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-576	METALS	GELC	CAMO-11-1244	11/17/2010	MCO-3	2
11-581	DIOX/FUR	CFA	CAMO-11-1305	11/17/2010	R-16	1237
11-581	DIOX/FUR	CFA	CAMO-11-1307	11/17/2010	R-16	1237
11-581	DIOX/FUR	CFA	CAMO-11-1308	11/17/2010	R-16	1237
11-582	HEXP	STSL	CAMO-11-1305	11/17/2010	R-16	1237
11-582	HEXP	STSL	CAMO-11-1308	11/17/2010	R-16	1237
11-583	GENINORG	GELC	CAMO-11-1288	11/17/2010	R-16	863.4
11-583	GENINORG	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-583	GENINORG	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-583	HEXP	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-583	HEXP	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-583	PEST/PCB	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-583	PEST/PCB	GELC	CAMO-11-1307	11/17/2010	R-16	1237
11-583	PEST/PCB	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-583	SVOA	GELC	CAMO-11-1288	11/17/2010	R-16	863.4
11-583	SVOA	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-583	SVOA	GELC	CAMO-11-1307	11/17/2010	R-16	1237
11-583	SVOA	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-583	VOA	GELC	CAMO-11-1286	11/17/2010	R-16	863.4
11-583	VOA	GELC	CAMO-11-1288	11/17/2010	R-16	863.4
11-583	VOA	GELC	CAMO-11-1304	11/17/2010	R-16	1237
11-583	VOA	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-583	VOA	GELC	CAMO-11-1307	11/17/2010	R-16	1237
11-583	VOA	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-585	GENINORG	GELC	CAMO-11-1287	11/17/2010	R-16	863.4
11-585	GENINORG	GELC	CAMO-11-1288	11/17/2010	R-16	863.4
11-585	GENINORG	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-585	GENINORG	GELC	CAMO-11-1306	11/17/2010	R-16	1237
11-585	GENINORG	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-585	GENINORG	GELC	CAMO-11-1309	11/17/2010	R-16	1237
11-585	METALS	GELC	CAMO-11-1287	11/17/2010	R-16	863.4
11-585	METALS	GELC	CAMO-11-1288	11/17/2010	R-16	863.4
11-585	METALS	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-585	METALS	GELC	CAMO-11-1306	11/17/2010	R-16	1237
11-585	METALS	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-585	METALS	GELC	CAMO-11-1309	11/17/2010	R-16	1237
11-585	RAD	GELC	CAMO-11-1305	11/17/2010	R-16	1237
11-585	RAD	GELC	CAMO-11-1308	11/17/2010	R-16	1237
11-600	GENINORG	GELC	CAMO-11-1275	11/18/2010	R-44	895
11-600	GENINORG	GELC	CAMO-11-1276	11/18/2010	R-44	895
11-600	GENINORG	GELC	CAMO-11-1277	11/18/2010	R-44	985.3

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-600	GENINORG	GELC	CAMO-11-1278	11/18/2010	R-44	985.3
11-600	GENINORG	GELC	CAMO-11-1296	11/18/2010	R-33	995.5
11-600	GENINORG	GELC	CAMO-11-1297	11/18/2010	R-33	995.5
11-600	GENINORG	GELC	CAMO-11-1300	11/18/2010	R-33	1112.4
11-600	GENINORG	GELC	CAMO-11-1301	11/18/2010	R-33	1112.4
11-600	METALS	GELC	CAMO-11-1275	11/18/2010	R-44	895
11-600	METALS	GELC	CAMO-11-1276	11/18/2010	R-44	895
11-600	METALS	GELC	CAMO-11-1277	11/18/2010	R-44	985.3
11-600	METALS	GELC	CAMO-11-1278	11/18/2010	R-44	985.3
11-600	METALS	GELC	CAMO-11-1296	11/18/2010	R-33	995.5
11-600	METALS	GELC	CAMO-11-1297	11/18/2010	R-33	995.5
11-600	METALS	GELC	CAMO-11-1300	11/18/2010	R-33	1112.4
11-600	METALS	GELC	CAMO-11-1301	11/18/2010	R-33	1112.4
11-600	SVOA	GELC	CAMO-11-1297	11/18/2010	R-33	995.5
11-600	SVOA	GELC	CAMO-11-1300	11/18/2010	R-33	1112.4
11-600	VOA	GELC	CAMO-11-1297	11/18/2010	R-33	995.5
11-600	VOA	GELC	CAMO-11-1298	11/18/2010	R-33	995.5
11-600	VOA	GELC	CAMO-11-1299	11/18/2010	R-33	1112.4
11-600	VOA	GELC	CAMO-11-1300	11/18/2010	R-33	1112.4
11-609	GENINORG	GELC	CAMO-11-1279	11/19/2010	R-45	880
11-609	GENINORG	GELC	CAMO-11-1280	11/19/2010	R-45	880
11-609	GENINORG	GELC	CAMO-11-1281	11/19/2010	R-45	974.9
11-609	GENINORG	GELC	CAMO-11-1282	11/19/2010	R-45	974.9
11-609	METALS	GELC	CAMO-11-1279	11/19/2010	R-45	880
11-609	METALS	GELC	CAMO-11-1280	11/19/2010	R-45	880
11-609	METALS	GELC	CAMO-11-1281	11/19/2010	R-45	974.9
11-609	METALS	GELC	CAMO-11-1282	11/19/2010	R-45	974.9

[a] GENINORG = General inorganics.

[b] SVOA = Semivolatile organic analysis.

[c] RAD = Radionuclides.

[d] VOA = Volatile organic analysis.

[e] — = Not applicable.

[f] DIOX/FUR = Dioxins and furans.

[g] HEXP = High explosives.

[h] PEST/PCB = Pesticides/polychlorinated biphenyls.

F-2 SANDIA WATERSHED

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-442	PCB_CONG[a]	CFA	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—[b]
11-442	PCB_CONG	CFA	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-442	PCB_CONG	CFA	CASA-11-1338	11/9/2010	Sandia right fork at Power Plant	—
11-442	PCB_CONG	CFA	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-442	PCB_CONG	CFA	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-442	PCB_CONG	CFA	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-442	PEST/PCB[c]	CFA	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-442	PEST/PCB	CFA	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-442	PEST/PCB	CFA	CASA-11-1338	11/9/2010	Sandia right fork at Power Plant	—
11-442	PEST/PCB	CFA	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-442	PEST/PCB	CFA	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-442	PEST/PCB	CFA	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-443	DIOX/FUR[d]	CFA	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-444	HEXP[e]	STSL	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-445	GENINORG[f]	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-445	GENINORG	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-445	GENINORG	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-445	GENINORG	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-445	GENINORG	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-445	HEXP	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-445	PEST/PCB	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-445	PEST/PCB	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-445	PEST/PCB	GELC	CASA-11-1338	11/9/2010	Sandia right fork at Power Plant	—
11-445	PEST/PCB	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-445	PEST/PCB	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-445	PEST/PCB	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-445	SVOA[g]	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-445	SVOA	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-445	SVOA	GELC	CASA-11-1338	11/9/2010	Sandia right fork at Power Plant	—
11-445	SVOA	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-445	SVOA	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-445	SVOA	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-445	VOA[h]	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-445	VOA	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-445	VOA	GELC	CASA-11-1338	11/9/2010	Sandia right fork at Power Plant	—
11-445	VOA	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-445	VOA	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-445	VOA	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-445	VOA	GELC	CASA-11-1502	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-445	VOA	GELC	CASA-11-1504	11/9/2010	Sandia right fork at Power Plant	—
11-445	VOA	GELC	CASA-11-1505	11/9/2010	South Fork of Sandia Canyon at E122	—
11-446	GENINORG	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-446	GENINORG	GELC	CASA-11-1333	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-446	GENINORG	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-446	GENINORG	GELC	CASA-11-1339	11/9/2010	Sandia right fork at Power Plant	—
11-446	GENINORG	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-446	GENINORG	GELC	CASA-11-1341	11/9/2010	Sandia right fork at Power Plant	—
11-446	GENINORG	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-446	GENINORG	GELC	CASA-11-1343	11/9/2010	South Fork of Sandia Canyon at E122	—
11-446	GENINORG	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-446	METALS	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-446	METALS	GELC	CASA-11-1333	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-446	METALS	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-446	METALS	GELC	CASA-11-1339	11/9/2010	Sandia right fork at Power Plant	—
11-446	METALS	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-446	METALS	GELC	CASA-11-1341	11/9/2010	Sandia right fork at Power Plant	—
11-446	METALS	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-446	METALS	GELC	CASA-11-1343	11/9/2010	South Fork of Sandia Canyon at E122	—
11-446	METALS	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-447	RAD[i]	GELC	CASA-11-1332	11/9/2010	Middle Sandia Canyon at terminus of persistent baseflow	—
11-447	RAD	GELC	CASA-11-1337	11/9/2010	Sandia right fork at Power Plant	—
11-447	RAD	GELC	CASA-11-1340	11/9/2010	Sandia right fork at Power Plant	—
11-447	RAD	GELC	CASA-11-1342	11/9/2010	South Fork of Sandia Canyon at E122	—
11-447	RAD	GELC	CASA-11-1478	11/9/2010	Sandia right fork at Power Plant	—
11-491	GENINORG	GELC	CASA-11-1372	11/11/2010	R-35a	1013.1
11-491	GENINORG	GELC	CASA-11-1373	11/11/2010	R-35a	1013.1
11-491	GENINORG	GELC	CASA-11-1374	11/11/2010	R-35b	825.4
11-491	GENINORG	GELC	CASA-11-1375	11/11/2010	R-35b	825.4
11-491	METALS	GELC	CASA-11-1372	11/11/2010	R-35a	1013.1

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-491	METALS	GELC	CASA-11-1373	11/11/2010	R-35a	1013.1
11-491	METALS	GELC	CASA-11-1374	11/11/2010	R-35b	825.4
11-491	METALS	GELC	CASA-11-1375	11/11/2010	R-35b	825.4
11-492	GENINORG	GELC	CASA-11-1370	11/11/2010	R-11	855
11-492	GENINORG	GELC	CASA-11-1371	11/11/2010	R-11	855
11-492	GENINORG	GELC	CASA-11-1376	11/11/2010	R-36	766.9
11-492	GENINORG	GELC	CASA-11-1377	11/11/2010	R-36	766.9
11-492	METALS	GELC	CASA-11-1370	11/11/2010	R-11	855
11-492	METALS	GELC	CASA-11-1371	11/11/2010	R-11	855
11-492	METALS	GELC	CASA-11-1376	11/11/2010	R-36	766.9
11-492	METALS	GELC	CASA-11-1377	11/11/2010	R-36	766.9
11-496	PEST/PCB	GELC	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-496	PEST/PCB	GELC	CASA-11-1336	11/11/2010	Sandia below Wetlands	—
11-496	RAD	GELC	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-496	SVOA	GELC	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-496	SVOA	GELC	CASA-11-1336	11/11/2010	Sandia below Wetlands	—
11-496	SVOA	GELC	CASA-11-1345	11/11/2010	SCA-1-DP	2.16
11-496	VOA	GELC	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-496	VOA	GELC	CASA-11-1336	11/11/2010	Sandia below Wetlands	—
11-496	VOA	GELC	CASA-11-1345	11/11/2010	SCA-1-DP	2.16
11-496	VOA	GELC	CASA-11-1503	11/11/2010	Sandia below Wetlands	—
11-496	VOA	GELC	CASA-11-1506	11/11/2010	SCA-1-DP	2.16
11-497	GENINORG	GELC	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-497	GENINORG	GELC	CASA-11-1335	11/11/2010	Sandia below Wetlands	—
11-497	GENINORG	GELC	CASA-11-1344	11/11/2010	SCA-1-DP	2.16
11-497	GENINORG	GELC	CASA-11-1345	11/11/2010	SCA-1-DP	2.16
11-497	METALS	GELC	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-497	METALS	GELC	CASA-11-1335	11/11/2010	Sandia below Wetlands	—
11-497	METALS	GELC	CASA-11-1344	11/11/2010	SCA-1-DP	2.16
11-497	METALS	GELC	CASA-11-1345	11/11/2010	SCA-1-DP	2.16
11-518	PCB_CONG	CFA	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-518	PCB_CONG	CFA	CASA-11-1336	11/11/2010	Sandia below Wetlands	—
11-518	PEST/PCB	CFA	CASA-11-1334	11/11/2010	Sandia below Wetlands	—
11-518	PEST/PCB	CFA	CASA-11-1336	11/11/2010	Sandia below Wetlands	—
11-551	GENINORG	GELC	CASA-11-1378	11/16/2010	R-43	903.9
11-551	GENINORG	GELC	CASA-11-1379	11/16/2010	R-43	903.9
11-551	GENINORG	GELC	CASA-11-1380	11/16/2010	R-43	969.1
11-551	GENINORG	GELC	CASA-11-1381	11/16/2010	R-43	969.1
11-551	METALS	GELC	CASA-11-1378	11/16/2010	R-43	903.9
11-551	METALS	GELC	CASA-11-1379	11/16/2010	R-43	903.9

Request	Suite	Lab	Sample	Date	Location	Port Depth (ft)
11-551	METALS	GELC	CASA-11-1380	11/16/2010	R-43	969.1
11-551	METALS	GELC	CASA-11-1381	11/16/2010	R-43	969.1
11-555	GENINORG	GELC	CASA-11-1360	11/16/2010	SCI-1	358.4
11-555	GENINORG	GELC	CASA-11-1361	11/16/2010	SCI-1	358.4
11-555	GENINORG	GELC	CASA-11-1362	11/16/2010	SCI-2	548
11-555	GENINORG	GELC	CASA-11-1363	11/16/2010	SCI-2	548
11-555	METALS	GELC	CASA-11-1360	11/16/2010	SCI-1	358.4
11-555	METALS	GELC	CASA-11-1361	11/16/2010	SCI-1	358.4
11-555	METALS	GELC	CASA-11-1362	11/16/2010	SCI-2	548
11-555	METALS	GELC	CASA-11-1363	11/16/2010	SCI-2	548
11-589	GENINORG	GELC	CASA-11-1356	11/17/2010	R-12	459
11-589	GENINORG	GELC	CASA-11-1359	11/17/2010	R-12	504.5
11-589	SVOA	GELC	CASA-11-1356	11/17/2010	R-12	459
11-589	SVOA	GELC	CASA-11-1359	11/17/2010	R-12	504.5
11-589	VOA	GELC	CASA-11-1356	11/17/2010	R-12	459
11-589	VOA	GELC	CASA-11-1359	11/17/2010	R-12	504.5
11-589	VOA	GELC	CASA-11-1512	11/17/2010	R-12	504.5
11-589	VOA	GELC	CASA-11-1513	11/17/2010	R-12	459
11-590	GENINORG	GELC	CASA-11-1356	11/17/2010	R-12	459
11-590	GENINORG	GELC	CASA-11-1357	11/17/2010	R-12	459
11-590	GENINORG	GELC	CASA-11-1358	11/17/2010	R-12	504.5
11-590	GENINORG	GELC	CASA-11-1359	11/17/2010	R-12	504.5
11-590	METALS	GELC	CASA-11-1356	11/17/2010	R-12	459
11-590	METALS	GELC	CASA-11-1357	11/17/2010	R-12	459
11-590	METALS	GELC	CASA-11-1358	11/17/2010	R-12	504.5
11-590	METALS	GELC	CASA-11-1359	11/17/2010	R-12	504.5
11-590	RAD	GELC	CASA-11-1356	11/17/2010	R-12	459
11-590	RAD	GELC	CASA-11-1359	11/17/2010	R-12	504.5
11-746	ISOTOPE	UIL	CASA-11-1362	11/16/2010	SCI-2	548
11-746	ISOTOPE	UIL	CASA-11-1372	11/11/2010	R-35a	1013.1
11-746	ISOTOPE	UIL	CASA-11-1375	11/11/2010	R-35b	825.4
11-746	ISOTOPE	UIL	CASA-11-1378	11/16/2010	R-43	903.9
11-746	ISOTOPE	UIL	CASA-11-1381	11/16/2010	R-43	969.1

[a] PCB_CONG = PCB congeners.

[b] — = Not applicable.

[c] PEST/PCB = Pesticides/polychlorinated biphenyls.

[d] DIOX/FUR = Dioxins and furans.

[e] HEXP = High explosives.

[f] GENINORG = General inorganics.

[g] SVOA = Semivolatile organic analysis.

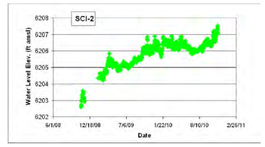
[h] VOA = Volatile organic analysis.

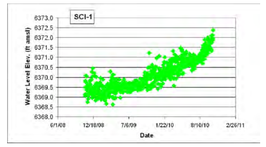
[i] RAD = Radionuclides.

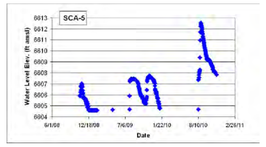
Sandia and Mortandad Canyon Watersheds

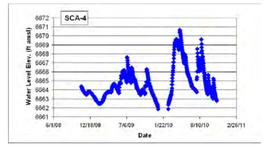
- Alluvial
- Intermediate
- Regional
- Watercourse
- Rio Grande
- Watershed
- LANL boundary
- TA boundary

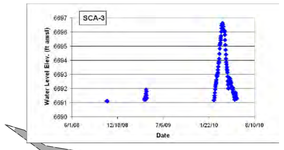
Plate 1 Groundwater elevations

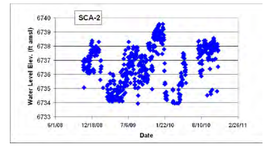


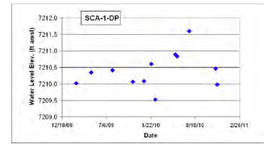


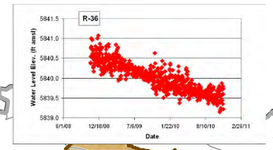


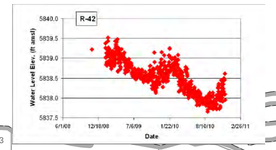


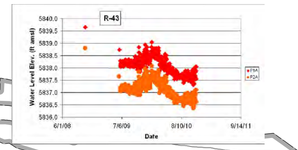


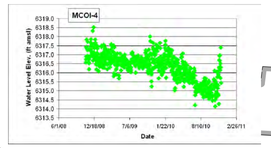


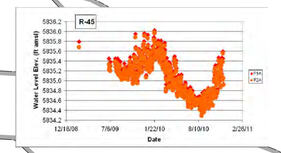


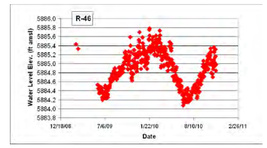


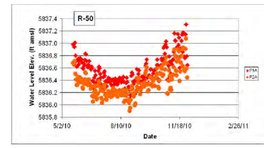


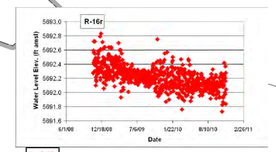


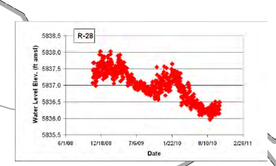


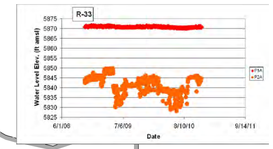


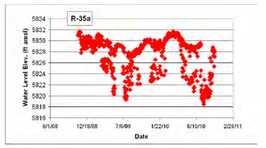


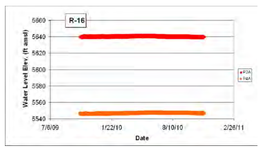


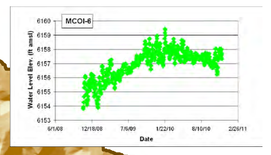


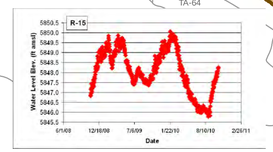


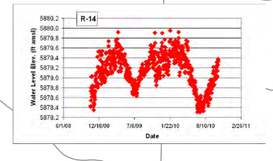


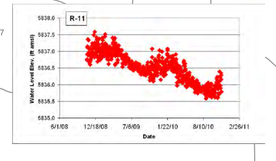


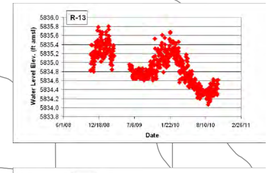


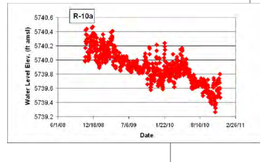


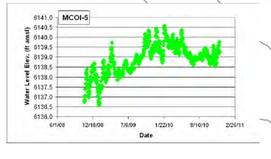


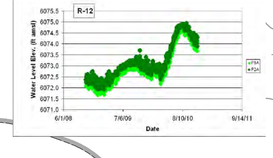


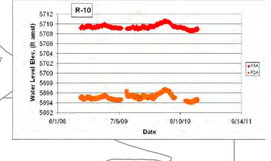


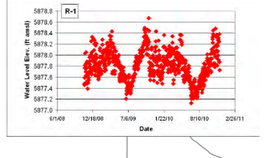


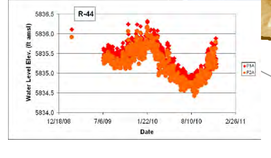


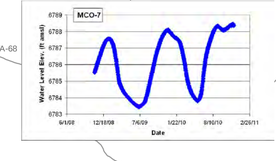


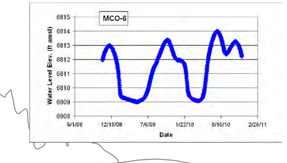


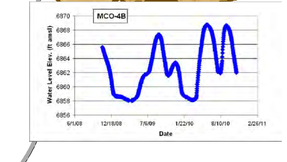


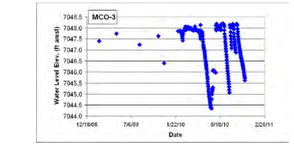


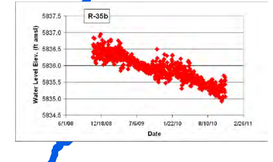












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DATA SOURCES:
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LANL Areas Used and Occupied ; Los Alamos National Laboratory, Site Planning & Project Initiation Group, Infrastructure Planning Office; 19 September 2007; as published 04 December 2008.

Watersheds; Modified to PMR specific combinations from Los Alamos National Laboratory, ENV Environmental Remediation and Surveillance Program; EP2006-0942; 1:2,500 Scale Data; 27 October 2006

Sampling Locations; Los Alamos National Laboratory, Waste and Environmental Services Division; WQDB database pull, October and November, 2010; ERRP#, PKG-1729, PKG-1872.

Map created by Dave Frank
EP-ET-ER GIS Team
February 18, 2011
Map #11-0020-003, waterlevel

Miles
0 0.25 0.5 1
0 1 2
Kilometers

Alluvial Label
Intermediate Label
Regional Label

State Plane Coordinate System, New Mexico Central Zone, Feet, 1983 North American Datum

1620000 1625000 1630000 1635000 1640000 1645000 1650000 1655000 1660000 1665000
1780000 1775000 1770000 1765000 1760000 1755000

SCA-1-DP MCO-3 MCO-4B R-1 MCOI-6 R-15 MCOI-5 SCA-2 SCI-1 SCI-2 SCA-3 R-43 R-42 SCA-4 R-28 SCA-5 R-11 R-35b R-35a R-45 R-13 R-36 R-10a R-10 R-12 R-50 R-44 R-46 R-14 R-33 MCO-6 MCOI-4 MCO-7 R-16r R-16

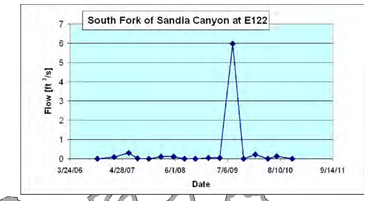
Ten Site Canyon
Sandia Canyon
Cañada del Buey
Pajarito Canyon
Mortandad Canyon
Los Alamos
Pueblo Canyon
Rio Grande

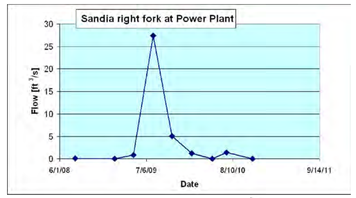
TA-03 TA-61 TA-60 TA-48 TA-59 TA-58 TA-62 TA-43 TA-41 TA-02 TA-21 TA-73 TA-72 TA-74 TA-64 TA-06 TA-55 TA-35 TA-50 TA-52 TA-53 TA-66 TA-40 TA-14 TA-67 TA-46 TA-51 TA-11 TA-15 TA-18 TA-54 TA-16 TA-37 TA-36 TA-68 TA-39 TA-71

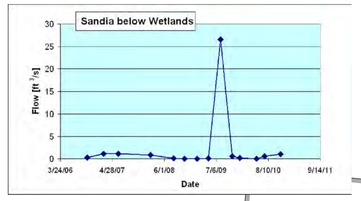
Plate 2 Base-flow measurements

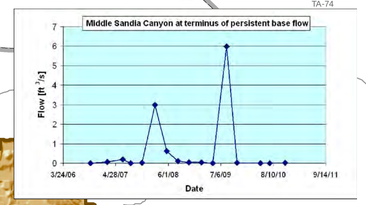
Sandia and Mortandad Canyon Watersheds

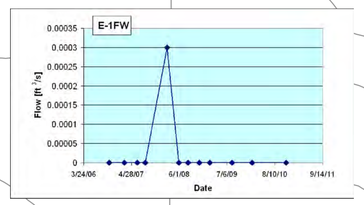
- Base flow
- Watercourse
- Rio Grande
- Watershed
- LANL boundary
- TA boundary











South Fork of Sandia Canyon at E122

Sandia right fork at Power Plant

Sandia below Wetlands

Middle Sandia Canyon at terminus of persistent baseflow

E-1FW

Sigma Canyon

Sandia Canyon

Ten Site Canyon

Cerro Canyon

Canada del Buey

Mortandad Canyon

Rio Grande

TA-03 TA-06 TA-11 TA-14 TA-15 TA-16 TA-18 TA-21 TA-36 TA-37 TA-39 TA-40 TA-41 TA-43 TA-46 TA-48 TA-50 TA-51 TA-52 TA-53 TA-54 TA-55 TA-58 TA-59 TA-61 TA-62 TA-63 TA-64 TA-66 TA-67 TA-68 TA-72 TA-73 TA-74

1620000 1625000 1630000 1635000 1640000 1645000 1650000 1655000 1660000 1665000

1780000 1775000 1770000 1765000 1760000 1755000

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Map created by Dave Frank
EP-ET-ER GIS Team
February 22, 2011
Map #11-0020-006, base flow

Miles
0 0.25 0.5 1
Kilometers
0 1 2

Base Row Label

State Plane Coordinate System, New Mexico Central Zone, Feet, 1983 North American Datum